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County Council



of Durham.

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# REPORT

OF THE

## MEDICAL OFFICER OF HEALTH

FOR THE QUARTER ENDED

31ST DECEMBER, 1934.

### VITAL STATISTICS.

1. The vital statistics for the past quarter, although slightly in excess of those for the previous quarter, may again be considered satisfactory. The total death-rate was equal to 10·4 per 1,000 population, compared with 9·4 in the previous quarter, and 10·7 in the corresponding quarter of 1933.

2. The lowest total death-rates during the quarter occurred in the Billingham (6·8) and Tow Law (7·9) urban districts, and in the Barnard Castle (8·6) and Easington (8·7) rural districts; while the districts with the highest mortality statistics were the Hebburn (16·4) and Barnard Castle (15·8) urban districts and the Hartlepool (13·8) and Weardale (13·4) rural districts.

3. It is of interest to note that the total death-rates during the past quarter in the Barnard Castle, Shildon, and Whickham urban districts and the Hartlepool rural district exceeded the birth-rates for those districts; while in the Stanhope urban and the Darlington and Stockton rural districts the birth and death-rates were equal.

4. The death-rate from the principal infective diseases was equal to 0·50 per 1,000 population, and shows a slight increase compared with that for the previous quarter (0·44), although it compares favourably with that for the corresponding quarter of 1933 (0·71).

5. The death-rate from pulmonary tuberculosis (0·58), although showing a slight increase compared with that for the previous quarter (0·54), which was the lowest rate recorded in this administrative county during any quarter, may be regarded as very satisfactory.

6. The infant mortality rate was equal to 76 per 1,000 births registered, compared with 53 in the preceding quarter, and 83 in the corresponding quarter of 1933.

7. The birth-rate during the quarter was 16·7 per 1,000 population, and shows a decrease compared with the previous quarter (17·2).



8. The following statement gives the uncorrected vital statistics for the administrative county for the year 1934, and in order that a comparison may be made, the corrected figures for the two previous years are given. There may, however, be some slight adjustment of the figures for 1934 :—

|                                       | 1932.   | 1933.   | 1934.   |
|---------------------------------------|---------|---------|---------|
| Population .....                      | 924,920 | 918,330 | 923,000 |
| Birth-rate .....                      | 19·37   | 17·88   | 17·61   |
| Death-rate .....                      | 11·86   | 11·74   | 11·79   |
| Zymotic Death-rate .....              | 0·38    | 0·46    | 0·59    |
| Smallpox .....                        | NIL.    | NIL.    | NIL.    |
| Scarlet Fever .....                   | 0·02    | 0·06    | 0·09    |
| Diphtheria .....                      | 0·02    | 0·05    | 0·16    |
| Enteric Fever .....                   | 0·01    | 0·01    | 0·01    |
| Measles .....                         | 0·05    | 0·07    | 0·14    |
| Whooping Cough.....                   | 0·13    | 0·05    | 0·07    |
| Diarrhœa (under 2).....               | 0·15    | 0·22    | 0·11    |
| Do. (over 2) .....                    | 0·04    | 0·07    | 0·05    |
| Pulmonary Tuberculosis .....          | 0·73    | 0·73    | 0·71    |
| Non-Pulmonary Tuberculosis .....      | 0·23    | 0·16    | 0·16    |
| Bronchitis, Pueumonia and Pleurisy .. | 1·21    | 1·06    | 0·95    |
| Influenza .....                       | 0·25    | 0·41    | 0·18    |
| Infant Mortality Rate.....            | 82      | 80      | 78      |

It will be noted from the above that the chief vital statistics for the past year compare favourably with those for the two previous years. The pulmonary tuberculosis death-rate (0·71) is the lowest on record, the previous lowest being 0·72 for the year 1931.

#### INFECTIOUS DISEASES.

9. There was a considerable increase in the prevalence of scarlet fever during the past quarter, 2,472 cases being reported, compared with 1,574 in the previous quarter, and 1,555 in the June quarter. The number of cases notified during the whole of the past year was 7,889, which is the highest number on record, the previous highest being in 1914, when 7,797 cases were notified. The disease was prevalent in practically every district in the administrative county. The type of the disease was of a mild character, only 9 (0·04) deaths being registered during the past quarter, compared with 15 (0·06) in the previous quarter, and 22 (0·10) in the June quarter.

10. Diphtheria was also very much more prevalent during the past quarter, 810 cases being notified, compared with 581 in the previous quarter, and 355 in the June quarter. The number of cases notified during the whole of the past year was 2,215, and is the highest number on record for this administrative county, the previous highest being in 1915, when 1,698 cases were notified. Fifty deaths were registered from this disease during the past quarter, compared with 42 in the previous quarter ; the death-rate during the past quarter being equal to 0·22 per 1,000 population, compared with 0·18 in the previous quarter.

11. Only 4 cases of enteric fever were notified during the quarter, compared with 61 in the previous quarter. One death was registered during the quarter.

12. There were 10 notifications of puerperal fever and 24 notifications of puerperal pyrexia, compared with 4 and 26 respectively in the previous quarter. During the quarter 15 cases were admitted to hospitals under the County Scheme, the services of consultants were requisitioned in 2 cases, and the services of the emergency nurse were utilised in one case.

13. The number of notifications of ophthalmia neonatorum received during the quarter was 28, compared with 19 in the previous quarter. In-patient hospital treatment under the County Scheme was provided in respect of 5 cases.

14. The number of deaths registered from measles was 10, compared with 18 in the previous quarter, while the deaths from whooping cough numbered 19, compared with 10 in the previous quarter. Diarrhœa and enteritis under two years of age was responsible for 26 deaths, compared with 19 in the previous quarter.

**CLERICAL STAFF.**

15. The following members of my clerical staff have been absent from duty during the quarter on account of sickness :—

G. Duff, from 13th November.

Miss D. S. Oates, from 9th to 18th November, inclusive.

Miss E. Mather, from 19th to 24th November, inclusive.

Miss G. I. Askew, from 23rd November to 16th December, inclusive.

In view of the sick leave, with salary, granted to G. Duff during 1934, the Committee may desire to consider what additional leave, with salary, shall be paid to this officer, who will be absent for six months.

I recommend that the other three officers be granted sick leave with salary in accordance with the county arrangement, less National Health Insurance Benefit.

**MILK AND DAIRIES (CONSOLIDATION) ACT, 1915.**

16. Return of milk samples submitted by inspectors of weights and measures for bacteriological examination during the quarter ended 31st December, 1934 :—

| Total number of samples submitted. | Number in which tubercle bacilli were found. | Number free from tubercle bacilli. | *Number for which report not yet received. |
|------------------------------------|--|------------------------------------|--|
| 90                                 | 2  | 58                                 | 30   |

\* All the 51 samples outstanding at the end of last quarter were reported to be free from tubercle bacilli.

**DISEASES OF ANIMALS.****TUBERCULOSIS ORDER, 1925.**

17. During the past quarter tuberculous disease was reported on 119 premises, and on inspection disease was found by the veterinary inspectors to exist on 80 of these premises. The total number of animals examined by the veterinary inspectors was 2,523, and of these 26 were reported to be suffering from tuberculosis of the udder ; 4 suffering from tuberculous emaciation, and 53 as having chronic cough and showing definite clinical signs of tuberculosis. The total number of animals slaughtered on account of tuberculosis was 83, and it was found on post-mortem examination that 29 had tuberculosis of the udder, 4 tuberculous emaciation, and 50 proved to be otherwise affected with tuberculosis. Of the total animals inspected, 1,692 were cows in milk ; of these 104 were reported as diseased, and the presence of disease was confirmed in 67 cases by post-mortem examination. During the three months 14 samples of milk were examined for tubercle bacilli, 4 of which were found to be positive.

**MILK AND DAIRIES ORDER, 1926.**

18. During the quarter the veterinary officers visited 912 farms and examined 9,956 animals in the course of their routine work under the above Order, as a result of which 25 animals were found to be suffering from tuberculosis, and were accordingly slaughtered. Of these slaughtered animals 21 were cows in milk. On post-mortem examination tuberculosis of the udder was found to exist in 17 cases, the remainder being otherwise affected with tuberculosis. These 25 animals are included in the total number shown as having been slaughtered under the Tuberculosis Order.

**TREATMENT OF TUBERCULOSIS.**

19. I have received the following report from the Central Tuberculosis Medical Officer, and on page 96 will be found a tabulated statement with reference to cases of tuberculosis dealt with during the past quarter :—



(1) The following statement shows the number of cases together with the various forms of treatment recommended during the quarter:—

| <i>Treatment.</i>         | <i>New Cases.</i> | <i>Old Cases.</i> | <i>Total.</i> |
|---------------------------|-------------------|-------------------|---------------|
| Domiciliary .....         | 17                | 37                | 54            |
| Dispensary .....          | 44                | 99                | 143           |
| Sanatorium .....          | 166               | 52                | 218           |
| Hospital (Surgical) ..... | 17                | 20                | 37            |
| Home .....                | 14                | 14                | 28            |
| Ultra Violet Ray .....    | 4                 | 10                | 14            |

(2) I submit the following statement with regard to surgical appliances supplied to tuberculous patients on the recommendation of the tuberculosis medical officers:—

| Case No. | Description of Appliance.  | Cost of Appliance. | Amount Contributed by Patient. | Amount payable by the County Council. |
|----------|--|--------------------|--------------------------------|---------------------------------------|
|          |  | £ s. d.            | £ s. d.                        | £ s. d.                               |
| 34709    | Left surgical boot .....   | 2 15 0             | 1 2 0                          | 1 13 0                                |
| 40731    | Chance's spinal brace .....  | 5 10 0             | ..                             | 5 10 0                                |
| 47355    | Right surgical boot .....  | 5 17 6             | ..                             | 5 17 6                                |
| 14488    | Adjustments to walking caliper .....                                 | 0 17 3             | ..                             | 0 17 3                                |
| 46723    | Jones' shoe and one crutch rubber .....                              | 0 16 6             | 0 2 6                          | 0 14 0                                |
| 28421    | New crutch rubbers and re-fitting splint .....                       | 0 9 6              | ..                             | 0 9 6                                 |
| 34576    | Special boot .....   | 1 7 6              | ..                             | 1 7 6                                 |
| 40848    | Left high boot .....   | 2 12 6             | ..                             | 2 12 6                                |
| 21689    | Repairs to Chance's brace .....                                      | 0 5 6              | ..                             | 0 5 6                                 |
| 33658    | Left surgical boot .....   | 2 16 6             | ..                             | 2 16 6                                |
| 42793    | Repairs to patten and boot .....                                     | 0 8 6              | ..                             | 0 8 6                                 |
| 43572    | Chance's splint .....  | 5 0 0              | ..                             | 5 0 0                                 |
| 48122    | Chance's brace .....   | 5 18 6             | ..                             | 5 18 6                                |
| 15796    | Pair of crutch rubbers .....   | 0 2 3              | ..                             | 0 2 3                                 |
| 5481     | Chance's spinal brace .....  | 5 18 6             | ..                             | 5 18 6                                |
| 44005    | Repairs to spinal jacket .....                                       | 1 15 0             | ..                             | 1 15 0                                |
| 21716    | Left surgical boot .....   | 2 9 6              | ..                             | 2 9 6                                 |
| 46497    | Thomas' hip splint, patten and crutches .....                        | 2 5 0              | 0 5 0                          | 2 0 0                                 |
| 38924    | Pair of crutch rubbers .....   | 0 2 3              | ..                             | 0 2 3                                 |
| 47376    | Thomas' knee splint with aluminium trough, patten and crutches ..... | 2 5 0              | 0 5 0                          | 2 0 0                                 |
| 31917    | Pair of crutches .....   | 0 12 5             | ..                             | 0 12 5                                |
| 21030    | Chance's spinal support .....  | 5 18 6             | ..                             | 5 18 6                                |
| 40654    | Repairs to spinal brace .....  | 1 9 6              | 0 5 0                          | 1 4 6                                 |
| 36083    | Left surgical boot .....   | 2 10 6             | ..                             | 2 10 6                                |
| 42345    | Repair to spinal support .....                                       | 0 3 6              | 0 1 9                          | 0 1 9                                 |
| 34208    | Pair of crutches .....   | 0 12 3             | ..                             | 0 12 3                                |
| 43197    | Chance's brace .....   | 5 5 0              | ..                             | 5 5 0                                 |
| 22112    | Walking caliper .....  | 2 17 6             | ..                             | 2 17 6                                |
| 38856    | Surgical boot .....  | 3 9 6              | ..                             | 3 9 6                                 |
| 36455    | Surgical boot .....  | 4 17 6             | ..                             | 4 17 6                                |
| 46837    | Thomas' hip splint, patten and crutches .....                        | 2 7 6              | ..                             | 2 7 6                                 |
| 35257    | Left surgical boot .....   | 5 2 6              | ..                             | 5 2 6                                 |
| 33264    | Repairs to wrist splint .....  | 0 4 6              | ..                             | 0 4 6                                 |
| 46682    | Repairs to Thomas' hip splint. Pair of crutches .....                | 1 2 0              | ..                             | 1 2 0                                 |
| 41250    | Repairs and adjustments to spinal brace .....                        | 0 9 6              | ..                             | 0 9 6                                 |
| 31624    | Repairs to walking caliper splint .....                              | 0 6 6              | ..                             | 0 6 6                                 |
|          |  | £87 0 11           | £2 1 3                         | £84 19 8                              |

(3) **ADMISSIONS TO SANATORIA AND HOSPITALS.**—The number admitted to sanatoria and other residential institutions was 270 (including 28 who had previously received institutional treatment) as against 298 in the last quarter, and the total number receiving residential treatment on the 31st December was 552, as against 559 at the end of last quarter. This number includes 23 discharged service men. The distribution of these cases in the several institutions is as follows :—

| (4) SANATORIA—TUBERCULOSIS HOSPITALS :—      | Males. | Females. |
|--|--------|----------|
| Hollywood Hall Sanatorium, Wolsingham .....  | 171    | —        |
| Sunderland Tuberculosis Hospital .....       | —      | 25       |
| Stannington Children's Sanatorium .....      | 19     | 81       |
| Helmington Row Tuberculosis Hospital .....   | 11     | —        |
| Tindale Crescent Tuberculosis Hospital ..... | —      | 12       |
| Preston Hall Colony .....                    | 2      | —        |
| Earl's House Sanatorium, Durham .....        | 71     | —        |
| Seaham Hall Sanatorium .....                 | —      | 128      |
| Totals .....                                 | 274    | 246      |

| (5) GENERAL HOSPITALS :—                              | Males. | Females. |
|---|--------|----------|
| Children's Hospital, Gateshead .....                  | 9      | 3        |
| Royal Victoria Infirmary, Newcastle-on-Tyne .....     | 2      | 1        |
| Whickham War Memorial Hospital .....                  | 4      | 3        |
| Hartlepoons Hospital .....                            | 2      | 1        |
| Durham County Hospital .....                          | 2      | —        |
| Holmside and South Moor Miners' Welfare Hospital .... | 1      | 2        |
| Memorial Hospital, Darlington .....                   | 1      | —        |
| Ingham Infirmary, South Shields .....                 | 1      | —        |
| Totals .....  | 22     | 10       |

(6) **DISCHARGES FROM SANATORIA AND HOSPITALS.**—The number of persons discharged from sanatoria and hospitals was 271. Of these, 101 were reported “Quiescent” or “Arrested,” 104 “Improved,” 48 “No material improvement,” and 18 died in institutions. Sixteen cases left before treatment was completed.

| (7) AWAITING ADMISSION TO SANATORIA AND HOSPITALS :— | <i>Sanatorium.</i> |                 | <i>Hospital.</i> |
|--|--------------------|-----------------|------------------|
|  | <i>Pul.</i>        | <i>Non-Pul.</i> |                  |
| Adult Males .....                                    | 16                 | —               | 1                |
| Adult Females .....                                  | 46                 | 5               | 3                |
| Boys .....   | 4                  | 7               | 1                |
| Girls .....  | —                  | 4               | —                |
| Totals .....   | 66                 | 16              | 5                |

(8) **OCCUPATIONAL TREATMENT OF DURHAM COUNTY TUBERCULOUS EX-SERVICE MEN**— There were no tuberculous ex-service men admitted to Preston Hall Training Colony, Aylesford, Kent, during the quarter ; none were transferred to the Settlement, and two were receiving treatment on the 31st December. No cases were awaiting admission to the Colony on 31st December.

(9) **TRAVELLING EXPENSES** have been paid during the quarter to 469 cases.

(10) **X-RAY EXAMINATIONS.**—During the quarter 197 persons were examined by X-rays.

(11) SHELTERS.—During the quarter 3 shelters were erected as follows :—

|                   |                 |   |
|-------------------|-----------------|---|
| Northern District | .....at Dunston | 2 |
| Western District  | .....at Broom   | 1 |

(12) ATTENDANCES AT DISPENSARIES.—The number of attendances at the dispensaries during the quarter was 5,446, as against 5,705 in the preceding quarter, and the number of persons who attended the dispensaries was 3,141, the corresponding figure for the preceding quarter being 3,080.

(13) VISITS TO PATIENTS.—4,996 visits have been made by the health visitors to patients during the quarter.

(14) VISITS TO EX-SERVICE MEN.—191 visits have been made by the health visitors during the quarter.

(15) UNDER SUPERVISION.—5,025 patients were under supervision on the 31st December, including 363 ex-service men.

(16) TREATMENT RECOMMENDED.—A list of all cases recommended sanatorium, dispensary and other forms of treatment during the quarter will be submitted, and I shall be glad if your Committee will approve such recommendations.

(17) DEATHS.—140 deaths from tuberculosis have been reported since the date of my last quarterly report, viz.: Pulmonary, 66 males and 55 females; Non-Pulmonary, 9 males and 10 females.

(18) SUPPLY OF CLOTHING TO NECESSITOUS PATIENT IN AN INSTITUTION—CASE No. 48333 (SPENNYMOOR) :—This patient, who has been in the Helmington Row Sanatorium since the 8th November, required certain clothing. As he was in very poor circumstances, I instructed the Matron to supply the necessary articles at a cost of £3 5s. 5d. I shall be glad if your Committee will confirm my action.

### TREATMENT OF VENEREAL DISEASES.

#### TREATMENT CENTRES.

20. (1) STATISTICS.—The following table deals with the work for the three months ended 30th September, 1934 :—

| CENTRE.          | New Cases. |     | Ceased to attend before completion of treatment. |    | Total attendances. |       | No. of In-Patient days. |     | No. of doses of 606 substitute used. |
|------------------|------------|-----|--|----|--------------------|-------|-------------------------|-----|--------------------------------------|
|                  | M.         | F.  | M.   | F. | M.                 | F.    | M.                      | F.  |                                      |
| Darlington ..... | 5          | 2   | —  | —  | 210                | 131   | —                       | —   | 66                                   |
| Durham .....     | 87         | 51  | 19   | 9  | 1,756              | 834   | —                       | 168 | 166                                  |
| Newcastle .....  | 71         | 37  | 24   | 6  | 1,434              | 832   | 120                     | 55  | 166                                  |
| Stockton .....   | 50         | 13  | 1  | 6  | 1,468              | 390   | —                       | —   | 71                                   |
| Sunderland ..... | 43         | 18  | —  | —  | 1,301              | 1,088 | 69                      | 69  | 285                                  |
| TOTALS .....     | 256        | 121 | 44   | 21 | 6,169              | 3,275 | 189                     | 292 | 754                                  |

The above statistics refer to patients residing in the Durham County Administrative Area only.

(2) Travelling expenses amounting to £83 15s. 10½d. were paid during the quarter ended 30th September, 1934, to enable necessitous patients to attend the treatment centres.

*With the Compliments  
of  
The County Medical Officer*

SHIRE HALL,  
DURHAM.

CN. 276.  
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### HEALTH VISITORS.

21. The Superintendent Health Visitor reports as follows:—

(1) Sick Leave.—The following returned to duty on the dates given:—Miss Appleby, 29th October; Mrs. Drurey (result of an accident), 17th December; Miss Laughlin, 20th October. The following have been on sick leave between the dates given:—Miss M. Smith, 22nd October to 17th November; Miss Cumming, 5th to 16th November (result of an accident). The following have been on sick leave from the dates given:—Miss Cowperthwaite, 1st October; Miss McDermid, 29th October; Miss Bedlington, 7th December; and Mrs. Wood, 18th December.

(2) Miss B. B. Harrington was employed as a temporary health visitor from the 12th October to the 21st December, when she obtained an appointment elsewhere. Mrs. Jane Phillips was engaged as a temporary health visitor from the 27th December.

(3) There has been an increase in the work of the health visitors due to the substantial increase in the number of mental defectives who are under domiciliary supervision, and also the additional work related to the payment of midwives' fees. In the review of the health services of the county, which was made under the Local Government Act, 1929, reference was made to the more systematic visiting of children between the ages of two and five years. If the present periodicity of visiting these children is to be increased, additional staff will be required. The Ministry of Health is urging local authorities to take all possible steps to reduce the maternal mortality in their areas, and if extended services in this county are found necessary, with consequent additional duties for health visitors, it will be impossible for the present staff to undertake them and maintain a reasonable standard of efficiency. There are other possible extensions of the health services, *e.g.*, birth control and light therapy clinics, and the time has therefore arrived when consideration should be given to an increase in the health visitor staff.

(4) The County Travelling Health Exhibition visited Annfield Plain, Blaydon, Boldon Colliery, Burnopfield, Chopwell, Esh Winning, Ferryhill, Moorsley, Ryton, Tanfield, and West Stanley. The exhibition was also on view at the Fourth Annual Conference of Women Public Health Officers' Association, Newcastle, on the 6th October.

(5) Children Acts, 1908-32:—69 cases were under supervision and 167 visits were paid during the quarter.

(6) 1,525 mental defectives were under supervision, to whom 1,659 visits were paid.

(7) The services of Home Helps were sanctioned in 14 cases during the quarter.

(8) The number of families on milk assistance on the 31st December was 5,722, compared with 5,427 at the end of the previous quarter.

### MIDWIVES ACTS.

22. (1) The following statement shows the midwifery services of the county and its supervision during the quarter:—

|  |      |
|--|------|
| Total number of certified midwives in practice (of these 7 are bona-fide) .. | 319  |
| Number of midwives supervised .....  | 126  |
| Number of visits to midwives .....   | 236  |
| Number of visits to patients .....   | 153  |
| Number of other visits .....   | 17   |
| Number of ineffective visits .....   | 43   |
| Total number of births registered in the Administrative County .....         | 3845 |
| Number of births notified by midwives .....                                  | 2548 |

(2) The following notifications were received from certified midwives:—

|   |      |
|---|------|
| Sending for Medical Help .....              | 1024 |
| Still-births .....                          | 59   |
| Death of Mother .....                       | 9    |
| Death of Child .....                        | 64   |
| Artificial Feeding .....                    | 24   |
| Laying out the Dead .....                   | 9    |
| Liability to be a Source of Infection ..... | 25   |

(3) There were 47 cases of discharging eyes in the practice of midwives and 12 of these were subsequently notified as ophthalmia neonatorum, 3 of whom received in-patient hospital treatment.

(4) Medical aid was sought by midwives in 39 cases because of rise of temperature. Four of these cases were subsequently notified as puerperal fever and 6 as puerperal pyrexia, of which 6 received in-patient hospital treatment, and the services of the emergency nurse were utilised in 1 case.

(5) The inspectors visited 56 cases of albuminuria.

(6) The Penal case against Midwife No. 61748 was heard at a special meeting of the Central Midwives Board on the 6th December last. The County Midwives Inspector attended. The charges against the midwife were proved and her name was removed from the Midwives Roll and her Certificate cancelled. In addition, it was decided to prohibit her from attending women in childbirth in any capacity whatever.

(7) The practice of midwifery by 2 uncertified midwives was reported by the health visitors, and on enquiry it appeared that they had both acted in emergency.

(8) Fourteen additional trained midwives have given notice of their intention to practise in the county area, 13 midwives have notified changes of address within the county, and 2 have removed out of the county. The death of midwife No. 75300 occurred during the quarter.

(9) The following is a statement of cases attended during the quarter by midwives appointed by the County Council under the Trained Midwifery Scheme :—

| District.                | Cases. | Attended as |                  |
|--------------------------|--------|-------------|------------------|
|                          |        | Midwife.    | Maternity Nurse. |
| Beamish .....            | 15     | 12          | 3                |
| Birtley .....            | 12     | 5           | 7                |
| Blaydon .....            | 4      | 2           | 2                |
| Chilton .....            | 15     | 14          | 1                |
| Chopwell.....            | 14     | 14          | —                |
| Consett .....            | 27     | 27          | —                |
| Dipton .....             | 29     | 24          | 5                |
| Easington Colliery ..... | 15     | 14          | 1                |
| Fatfield .....           | 19     | 19          | —                |
| Hebburn .....            | 12     | 12          | —                |
| Hetton .....             | 19     | 14          | 5                |
| High Spen .....          | 11     | 11          | —                |
| Philadelphia.....        | 19     | 9           | 10               |
| Rowlands Gill .....      | 18     | 14          | 4                |
| Sherburn .....           | 17     | 16          | 1                |
| Shotton Colliery .....   | —      | —           | —                |
| Trimdon .....            | 18     | 18          | —                |

(10) The midwife at Shotton Colliery is still off duty ill.

(11) The midwife at Birtley was off duty ill from the 17th November to the 19th December. The midwife at Fatfield has been transferred to Chester-le-Street because of an emergency there, and Midwife No. 69738 has been temporarily appointed to Fatfield.

(12) The Superintendent of the County Nursing Association reports that there are 125 midwives practising under district nursing associations, and that a good standard of work has been maintained and the equipment found in good order. She also reports that 2 resignations and 1 death have taken place and that 5 appointments have been made ; 3 to fill these vacancies, and 2 for increased staff.

### AUCKLAND RURAL DISTRICT.

23. HAMSTERLEY VILLAGE.—The improvements to the water supply for this village are now completed. Para. 34,  
Dec., 1933.

### BARNARD CASTLE RURAL DISTRICT.

24. WATER SUPPLY FOR THE CONTRIBUTORY PLACES OF STREATLAM AND STANTON.—The scheme for the provision of water storage, and also for a piped supply to these parishes is now completed. Para. 35,  
Dec., 1933.

25. CONTRIBUTORY PLACES OF WACKERFIELD, BLACK HORSE, SUN INN AND COTTAGES.—A scheme for supplying water to these places is in progress.

### DARLINGTON RURAL DISTRICT.

26. HEIGHINGTON VILLAGE WATER SUPPLY.—The extension of the water main to the Council's new housing estate is in progress. Para. 38,  
Dec., 1933.

27. WATER SUPPLY FOR THE CONTRIBUTORY PLACES OF KILLERBY AND SUMMERHOUSE.—Arrangements are proceeding with the Tees Valley Water Board to connect up to their water main and lay a branch main for a water supply to these parishes. Para. 24,  
June, 1934.

28. PARISH OF WHESOE, WATER SUPPLY.—A scheme is being prepared for a piped system of supply from the Darlington Corporation's water mains to supply water in bulk from the boundary of Whessoe to the parishes of Coatham Mundeville and Brafferton.

### HOUGHTON-LE-SPRING RURAL DISTRICT.

29. Towards the end of 1934 the Houghton-le-Spring Rural District Council complained to the Lambton, Hetton, and Joicey Collieries, Ltd., of the nuisance which was caused to the inhabitants in the neighbourhood of the pit heap by the fumes from the same, and requested that steps should be taken to abate the nuisance.

On the 1st and 31st October last the Rural District Council and the Herrington Lodge of the Durham Miners' Association requested the County Council to collaborate with them in their efforts to have the undesirable conditions removed.

I communicated with the Medical Officer of Health of the Houghton-le-Spring Rural District and arranged for the County Health Inspector to visit the heap with the Rural District Surveyor, and, if possible, with a representative of the colliery company. The County Health Inspector wrote to the agent of the colliery company on the matter, and received a reply, wherein it is stated that "we are looking into your suggestions, and assure you we will be very glad to reduce, as far as possible, the inconvenience caused to the public by this fiery heap."

It is frequently difficult to control a pit heap which is on fire, but the County Health Inspector will willingly continue to place his experience in this matter at the disposal of the Rural District Council and the colliery company.

### WEARDALE RURAL DISTRICT.

30. LANEHEAD AND COWSHILL.—A new storage chamber has been constructed, which will supply 28,000 gallons per 24 hours or 20 gallons per head per day for the 1,400 inhabitants. Para. 42,  
Dec., 1933.

31. WEARHEAD DISTRICT.—A new 3-inch water main is being laid from the storage chamber, which has a capacity of 5,000 gallons, to Guinea Grove. Para. 43,  
Dec., 1933.

32. FROSTERLEY VILLAGE.—The extensions of the 2-inch water main in the Batts area is in progress. Para. 44,  
Dec., 1933.

33. FROSTERLEY—HILL END.—The extension of the 1½-inch water main in this area is in progress, and fourteen water services to property have been installed.



Para. 45,  
Dec., 1933.

34. CRAWLEYSIDE.—The construction of a new storage chamber and the extension of the water main is now completed.

Para. 46,  
Dec., 1933.

35. WESTGATE.—The improvements to the water supply in this district are now completed.

Para. 47,  
Dec., 1933.

36. EASTGATE.—The construction of a new water storage chamber for this area is now completed.

37. WEST BLACK DENE.—The scraping of the whole of the water main from the source of supply to the village is in progress.

38. Improvements to the water supplies have also been carried out at Daddryshields, Rookhope, East Black Dene, and Edmondbyers.

### RIVERS POLLUTION PREVENTION ACTS.

39. The County Health Inspector reports that :—

(1) Portions of the following rivers and streams have been inspected :—

| <i>Rivers.</i> | <i>Becks.</i>             | <i>Burns.</i>      |
|----------------|---------------------------|--------------------|
| Brownney.      | Bishopton.                | Blaydon.           |
| Deerness.      | Bowburn.                  | Bowless.           |
| Derwent.       | Clockburn and Stella Gut. | Cong.              |
| Gaunless.      | Crook and Beechburn.      | Dipton.            |
| Skerne.        | Dene.                     | Firtree.           |
| Teams.         | East Howle and Tursdale.  | Harthope.          |
| Tees.          | Murton.                   | Herrington.        |
| Wear.          | Old Durham.               | Houghill.          |
|                | Old House.                | Ireshope.          |
|                | Pittington.               | Moores and Lumley. |
|                |                           | Rainton.           |
|                |                           | Rookhope.          |
|                |                           | Wascrow.           |
|                |                           | Wellhope.          |
|                |                           | Westerhope.        |

(2) Pollution by sewage was observed at Blackhouse Building Estate, Chester-le-Street, Morton Grange, Sedgelych, Skerne Bridge, Tudhoe Wood, and Willington.

(3) Pollution from gasworks, by-product works, tar and coking plants, sand and gravel works, and coal washers, has been observed in the watercourses at Chilton, Ferryhill, Fishburn, Lambton, Langley Park, Malton, Rushyford, Shincliffe, Thinford, and West Auckland.

(4) REFUSE IN STREAMS.—A survey of the River Wear and its tributaries has been carried out from Bishop Auckland to Wearhead with special reference to reporting upon pollution by refuse in streams. This report has been completed, and the authorities concerned will be informed of the conditions existing as early as possible.

(5) The heavy rains during the past quarter have had a cleansing effect upon the beds and foreshores of rivers and streams, removing foul deposits which accumulated during the long periods of drought.

(6) The following trade processes have been inspected and their effluents at the time of the inspection reported upon. Adverse reports are followed up by interviews with the responsible officers until a satisfactory effluent is obtained.

| <i>Name of Works.</i>                             | <i>Condition of effluent.</i> | <i>Name of Works.</i>                      | <i>Condition of effluent.</i> |
|---|-------------------------------|--|-------------------------------|
| <i>By-Product Works.</i>                          |                               |  |                               |
| Bankfoot .....                                    | Moderate.                     | Malton .....                               | Improved.                     |
| Bearpark .....                                    | Fair.                         | New Brancepeth (Ushaw Moor) .....          | Fair.                         |
| Blackbanks Chemical Works .....                   | Improved.                     | Randolph .....                             | Fair.                         |
| Bowden Close .....                                | Good.                         | Sacriston Coking Plant .....               | Fair.                         |
| Brancepeth (Willington) .....                     | Improved.                     | Shotton Colliery .....                     | Fair.                         |
| Crook New Chemical Works .....                    | Good.                         | Stella Gill .....                          | Good.                         |
| Derwent Haugh .....                               | Good.                         | Templetown Tar Works .....                 | Good.                         |
| Fishburn .....                                    | Fair.                         | The Fell .....                             | Good.                         |
| Lambton .....                                     | Moderate.                     | Thrislington .....                         | Improved.                     |
| Langley Park .....                                | Moderate.                     | Weardale Coal and Coke Works ....          | Fair.                         |
| <i>Solids from Coal Washeries.</i>                |                               |  |                               |
| Bearpark .....                                    | Good.                         | Ouston "E" Pit .....                       | Fair.                         |
| Bowburn .....                                     | Good.                         | Peggy Pit .....                            | Fair.                         |
| Dean & Chapter .....                              | Fair.                         | Randolph .....                             | Improved.                     |
| Dean Bank .....                                   | Moderate.                     | Sacriston & Charlaw .....                  | Fair.                         |
| Dolly Pit .....                                   | Fair.                         | Sherburn Hill .....                        | Fair.                         |
| Fishburn .....                                    | Fair.                         | Thrislington .....                         | Fair.                         |
| Lambton .....                                     | Moderate.                     | Urpeth "C" Pit.....                        | Fair.                         |
| Langley Colliery .....                            | Moderate.                     | Waterhouses .....                          | Fair.                         |
| Murton.....                                       | Improved.                     | Whiteleas Colliery Washer .....            | Good.                         |
| <i>Oils and Liquids from Boilers, etc.</i>        |                               |  |                               |
| Bearpark Colliery & Brickworks....                | Good.                         | Ouston "E" Pit .....                       | Fair.                         |
| Eldon Colliery & Brickworks .....                 | Good.                         | Sherburn Hill Colliery .....               | Fair.                         |
| Electric Power Works, Crook ....                  | Good.                         | Tudhoe Colliery & Brickworks ....          | Fair.                         |
| Lambton Silica Brickworks.....                    | Fair.                         | Malton .....                               | Improved.                     |
| <i>Liquids and Wastes from Gas Works.</i>         |                               |  |                               |
| Bankfoot .....                                    | Moderate.                     | Houghton-le-Spring .....                   | Fair.                         |
| Barnard Castle.....                               | Good.                         | Middleton-in-Teesdale .....                | Fair.                         |
| Bishop Auckland .....                             | Good.                         | Shotley Bridge .....                       | Fair.                         |
| Burnhope .....                                    | Good.                         | Spennymoor & Tudhoe .....                  | Moderate.                     |
| Chester-le-Street.....                            | Good.                         | Staindrop .....                            | Good.                         |
| Crook .....                                       | Good.                         | Stanley .....                              | Fair.                         |
| Dipton .....                                      | Fair.                         | Tow Law .....                              | Good.                         |
| Durham .....                                      | Fair.                         | Tudhoe & Sunderland Bridge.....            | Moderate.                     |
| Ferryhill .....                                   | Good.                         | Willington .....                           | Moderate.                     |
| Gainford .....                                    | Good.                         |  |                               |
| <i>Trade Effluents and Sand and Gravel Works.</i> |                               |  |                               |
| Aycliffe Lime Quarry .....                        | Good.                         | Lintzford Printing Ink Works ....          | Good.                         |
| Barmpton Sand & Gravel Works...                   | Good.                         | Norton Junction Sand & Gravel Works .....  | Good.                         |
| Bishop Auckland Artificial Stone Works .....      | Good.                         | Skerningham Sand & Gravel Works            | Good.                         |
| Co-operative Tin Plate Works ...                  | Good.                         | Stillington Sand & Gravel Co. ....         | Good.                         |
| Elmford Lead Mines .....                          | Improved.                     | The Sacriston Sand & Gravel Co., Ltd. .... | Fair.                         |
| Healyfield Lead Works .....                       | Good.                         | Zinc Oxide Works.....                      | Good.                         |
| Hetton Sand & Gravel Works.....                   | Good.                         |  |                               |

## DARLINGTON COUNTY BOROUGH.

Para. 23 (8)  
Sept., 1934.

(7) STRESSHOLMES SEWAGE WORKS.—Owing to high flood levels, with its consequent dilution of the effluent from these works, pollution has been considerably reduced.

## WEST HARTLEPOOL COUNTY BOROUGH AND HARTLEPOOL MUNICIPAL BOROUGH.

Para. 23 (9)  
Sept., 1934.

(8) JOINT WORKS OF SEWERAGE.—Work has commenced on this joint scheme of outfall sewerage-to-the-sea.

## DURHAM URBAN DISTRICT.

Para. 23 (10)  
Sept., 1934.

(9) BARKERS HAUGH SEWAGE DISPOSAL WORKS.—Owing to certain difficulties experienced at the works, sewage is being discharged into the River Wear pending completion of repairs. Good progress is being made with the new sludge drying beds.

Para. 23 (10)  
Sept., 1934.

(10) WORKS OF SEWERAGE.—The re-sewering of the City is proceeding satisfactorily. Approximately £4,000 has now been spent of the total contract of £15,000. The Elvet side of the City has been completed, and work is in progress on the Framwellgate, Peth, and the City sewage works section. It is proposed to commence work from Horse Hole towards North Road and Sutton Street, leaving the section from Sidegate to Horse Hole to be completed when the river level will allow.

## ANNFIELD PLAIN URBAN DISTRICT.

Para. 46 (1)  
Sept., 1931.

(11) WEST KYO SEWAGE DISPOSAL WORKS.—Pollution by sewage of the Houghill Burn was traced to these works, and it was found to be due to some unauthorised person having interfered with the sludge valves.

## BILLINGHAM URBAN DISTRICT.

Para. 23 (12)  
Sept., 1934.

(12) WORKS OF SEWERAGE.—The extension of the main outfall sewer on the Cowpen Lane Estate for the purpose of linking up the drainage from the 150 houses in course of erection is in progress.

## BISHOP AUCKLAND URBAN DISTRICT.

Para. 23 (13)  
Sept., 1934.

(13) WORKS OF SEWERAGE.—Improvements to the surface water drainage in the Cockton Hill District is in progress.

## BLAYDON URBAN DISTRICT.

Para. 23 (14)  
Sept., 1934.

(14) LADYSMITH—WORKS OF SEWERAGE AND SEWAGE DISPOSAL.—Good progress has been made in the preparation of plans and specifications for new works at this place.

## BRANDON AND BYSHOTTLES URBAN DISTRICT.

(15) NEW BRANCEPETH SEWAGE DISPOSAL WORKS.—Improvements to these works, which consists of the construction of a new channel from the tanks to give further aeration to the effluent from the works, and alterations to the detritus and sedimentation tanks, are in progress.

## CHESTER-LE-STREET URBAN DISTRICT.

Para. 23 (15)  
Sept., 1934.

(16) WORKS OF SEWERAGE.—Good progress has been made in the extension of the main outfall sewer in the Red Rose Hall and the Vineries Estates.

Para. 23 (16)  
Sept., 1934.

(17) ROAD DITCH, HOLM HILL, CHESTER MOOR.—The extension of the stoneware pipes, which convey the effluent from a cesspool and private sewage works, is completed.

## CROOK URBAN DISTRICT.

Para. 23 (17)  
Sept., 1934.

(18) CROOK GAS WORKS—POLLUTION OF CROOK BECK.—Works are in progress to prevent pollution of the Crook Beck by gas liquors. No effluents are discharged, and tanks are being arranged for the reception of tar and spent liquors.

Para. 23 (18)  
Sept., 1934.

(19) BANKFOOT CHEMICAL WORKS—POLLUTION OF CROOK BECK.—In my last quarterly report it was stated that an analysis of a sample of the effluent showed the latter to be satisfactory. Analyses, however, of samples taken later at points below the works proved to be unsatisfactory. A conference with the responsible officials is being arranged.



## HETTON-LE-HOLE URBAN AND HOUGHTON-LE-SPRING RURAL DISTRICTS.

(20) GLEBE SEWAGE FARM AND HOUGHTON-LE-SPRING SEWAGE DISPOSAL WORKS.—An Inquiry was held in the Council Chambers, Hetton-le-Hole, on Tuesday, 20th November, 1934, by F. Gregson, Esq., M.Inst. C.E., an Inspector of the Ministry of Health, regarding the application of the Hetton Urban District Council for sanction to borrow £12,548 for works of sewage disposal in the Urban District of Houghton-le-Spring, to be carried out jointly with the Houghton-le-Spring Rural District Council. The Houghton-le-Spring Rural District Council have applied for sanction to borrow the sum of £1,592 as their share of the cost of the works. The reason given by the Clerk to the Hetton-le-Hole Urban District Council for the construction of part of the completed scheme was that the old works were erected in 1895, and were satisfactory until 1921, when trouble arose chiefly through colliery subsidence. The estimated cost of the completed scheme is £39,500, including £849 for purchase of coal under the site, in order to ensure stability. Para. 23 (19)  
Sept., 1934.

## RYTON URBAN DISTRICT.

(21) STELLA GUT.—This stream is in a foul condition owing to the discharge of crude sewage over a long period of time. No further communication has been received from the Clerk to the District Council in reference to any action proposed by the Council to overcome the pollution of this small stream. Para. 23 (20)  
Sept., 1934.

## SPENNYMOOR URBAN DISTRICT.

(22) TUDHOE MILL SEWAGE DISPOSAL WORKS.—On the 15th October, 1934, with the consulting engineer and members of the District Council, a detailed inspection of the works, tanks, filters, and sludge drying beds, was carried out, and an inspection of the main outfall sewers in the vicinity of the works was also made. The Council have instructed the consulting engineers to prepare schemes and costs for the necessary alterations and renewals to their works. Para. 23 (21)  
Sept., 1934.

(23) LOW GRANGE, BISHOP'S CLOSE, AND RED LION BECKS.—The following works are in progress on these becks:— Para. 23 (22)  
Sept., 1934.

(24) LOW GRANGE BECK.—626 feet of 36-inch reinforced concrete pipes with four manholes have been constructed, and 99 feet of 36-inch reinforced concrete pipes, with a manhole, and surrounded with concrete, have been relaid by the county engineer. Para. 48 (25)  
Dec., 1933.

(25) RED LION BECK.—350 feet of 36-inch reinforced concrete tubes have been laid and two manholes constructed. Para. 48 (25)  
Dec., 1933.

(26) BISHOP'S CLOSE BECK.—Up to the present 99 feet of 36-inch reinforced concrete tubes have been laid. Para. 48 (25)  
Dec., 1933.

(27) Approximately 150 feet of the existing culvert on the Low Grange Road Beck has been cleaned out, and the cleaning out of the portion of the culvert between the Red Lion and Bishop's Close Becks is nearing completion.

## STANHOPE URBAN DISTRICT.

(28) STANHOPE SEWAGE DISPOSAL WORKS.—Several inspections have been made at these works, and on each occasion it has been observed that the land for final filtration, even in dry weather, is always flooded, while during rainy periods it is unable to discharge the effluent from the works. Para. 30 (20)  
March, 1933.

Consideration should be given by the District Council for the re-modelling of these works.

## WHICKHAM URBAN DISTRICT.

(29) WORKS OF SEWERAGE.—The extension of the main outfall sewer is in progress. Para. 23 (23)  
Sept., 1934.

## WILLINGTON URBAN DISTRICT.

(30) SEWAGE DISPOSAL WORKS.—No communication has been received from the Clerk to the District Council with reference to the necessity for the re-modelling of the sewage disposal works. Para. 23 (24)  
Sept., 1934.

(31) WILLINGTON GAS AND BY-PRODUCT WORKS.—A conference with the chief officials of the company has taken place, and suggestions submitted for the treatment of the effluents from these works. The officials concerned wrote on the 16th November last stating "As far as I can see, the scheme outlined is the best method of dealing with the effluent from our coke works. I will go into this matter carefully."

## AUCKLAND RURAL DISTRICT.

Para. 23 (29)  
Sept., 1934.

(32) ESCOMBE SEWAGE DISPOSAL WORKS.—New works consisting of inlet, screening, and sedimentation tanks, have been constructed. Provision for storm water has also been made, and additional land for filtration is being prepared.

(33) LOW BARNES SEWAGE TANKS.—The main effluent pipe from these works was found to be fractured and repairs were immediately commenced.

Para. 23 (29)  
Sept., 1934.

(34) SUNNYBROW ELECTRIC PUMPING STATION.—The construction of concrete settling tanks has been completed.

## BARNARD CASTLE RURAL DISTRICT.

Para. 46 (9)  
Sept., 1931.

(35) MIDDLETON-IN-TEESDALE SEWAGE DISPOSAL WORKS.—The effluent from these works is now satisfactory. Further quantities of dry ash and rubble are being tipped on to the land for filtration purposes.

(36) OLD CLEATLAM VILLAGE SEWAGE DISPOSAL WORKS AND WORKS OF SEWERAGE.—The District Council have under consideration a scheme for the treatment of sewage at this place.

(37) WHORLTON VILLAGE SEWAGE DISPOSAL WORKS.—These works are being overhauled.

## CHESTER-LE-STREET RURAL DISTRICT.

Para. 23 (31)  
Sept., 1934.

(38) PELAW GRANGE AND BROWNS BUILDINGS SEWER:—The Clerk to the District Council wrote on the 3rd October last, stating that this work has now been completed.

Para. 23 (32)  
Sept., 1934.

(39) EARL'S HOUSE SANATORIUM—SEWAGE WORKS.—During the quarter two samples of effluents from these works were taken for analysis, and in both cases were found to be satisfactory.

(40) BLACKFELL SANATORIUM—SEWAGE DISPOSAL WORKS.—These works are in need of attention, repairs, renewals, etc.

## DARLINGTON RURAL DISTRICT.

Para. 23 (34)  
Sept., 1934.

(41) BLACKBANKS CHEMICAL WORKS.—Owing to heavy rains coinciding with the usual quarterly inspection, a definite estimate of the condition of the effluent from these works could not be obtained by observation. The work of improvement to the ponds is in progress.

Para. 23 (35)  
Sept., 1934.

(42) LOW BEAUMONT HILL, WHESOE PARISH.—The drainage system at this place is now completed.

Para. 23 (36)  
Sept., 1934.

(43) HEIGHINGTON VILLAGE—WORKS OF SEWERAGE AND SEWAGE DISPOSAL.—The plans and specifications for these schemes are now completed and negotiations are in progress. An extension to the main outfall sewer to the Council's housing estate is also in progress.

Para. 25 (30)  
June, 1934.

(44) MIDDLETON HALL MENTAL HOSPITAL SEWAGE DISPOSAL WORKS.—It is understood that the Board of Management have now definitely decided either to alter or to reconstruct the existing works to the satisfaction of the County Health Committee.

## DURHAM RURAL DISTRICT.

Para. 23 (37)  
Sept., 1934.

(45) SHERBURN AND SHADFORTH—WORKS OF SEWERAGE AND SEWAGE DISPOSAL.—Good progress has been made in the laying of the main outfall sewer, and the linking up of the drainage systems in the vicinity of the sewers.

Para. 23 (38)  
Sept., 1934.

(46) SEWERAGE—FRAMWELLGATE MOOR.—Extensions to the main outfall sewers are in progress in this area.

Para. 23 (41)  
Sept., 1934.

(47) SHINCLIFFE MILL INFECTIOUS DISEASES HOSPITAL SEWAGE DISPOSAL WORKS.—Work is still in progress at this place.

(48) BOWBURN SEWAGE DISPOSAL WORKS.—Proposals are under consideration by the District Council to improve the works and to extend the area of the land for irrigation and filtration purposes.



## EASINGTON RURAL DISTRICT.

(49) MURTON COLLIERY ALLOTMENT GARDENS—POLLUTION OF STREAM IN RECREATION GROUND.—This work is now completed, and pollution of the stream by domestic sewage has been overcome. A further source of pollution has, however, now been observed and traced to a cowshed. This has been reported to the responsible official, who is dealing with the persons concerned. Para. 23 (42) Sept., 1934.

(50) MURTON COLLIERY COAL WASHER, BOILER SLUDGING AND BRICKWORKS EFFLUENTS :—The construction of settling tanks and ponds at this place is now completed. Para. 23 (43) Sept., 1934.

(51) SEAHAM HALL SANATORIUM—SEWAGE DISPOSAL WORKS :—Plans and specifications for the improvements and extensions to these works are now completed. Para. 23 (44) Sept., 1934.

(52) CRIMDON DENE SEWAGE DISPOSAL WORKS :—Owing to rapid building development in this area and to the absence of a public sewer, the sewage from each block of houses is treated in a suitable septic tank and clinker filter. Several of these works have been inspected and found to be fairly satisfactory. The small works for the treatment of sewage from Crimdon Terrace, however, appears to be neglected, and is in need of immediate attention and overhaul. Para. 30 (32) Sept., 1933.

## HOUGHTON-LE-SPRING RURAL DISTRICT.

(53) SEDGELETCHEW SEWAGE FARM :—The Clerk to the District Council wrote on the 3rd December last stating that the Council's proposals for the general enlargement and re-modelling of the Sedgely Sewage Disposal Works have not yet been submitted to the Minister of Health, as the report of the District Valuer upon the proposed acquisition of the leasehold of the farm and the purchase of additional land required for sludging has not yet been issued. The Council propose to purchase the coal underlying the site of the proposed tanks and filters and negotiations with respect thereto have been somewhat prolonged and are more or less responsible for the delay. The Council are pressing forward this matter, and are hopeful that the whole of the details relating to the scheme will be completed and forwarded to the Minister of Health in the near future. Para. 23 (45) Sept., 1934.

(54) DOLLY PIT, HERRINGTON BURN :—Work is in progress with the additional precautions necessary to limit the pollution of the stream by coal slurry. Para. 23 (46) Sept., 1934.

(55) LAMBTON COLLIERY, MOORES BURN—COAL WASHER :—Work is in progress at this colliery. Para. 23 (47) Sept., 1934.

(56) BOARD INN, HERRINGTON PARK, AND FARRINGTON BUILDING ESTATES :—Extensions to the main outfall sewer are in progress. Para. 23, Sept., 1934.

## LANCHESTER RURAL DISTRICT.

(57) MALTON COLLIERY SEWAGE DISPOSAL WORKS :—The improvements to these works are now completed. Para. 23 (48) Sept., 1934.

(58) ESH VILLAGE :—The extension of the main outfall sewer from Langley Park West to Esh Village is now completed. Para. 23 (49) Sept., 1934.

(59) CRAGHEAD (THE MIDDLES) :—The construction of the three additional sludge drying beds at these works is now completed. Para. 23 (50) Sept., 1934.

(60) MALTON COLLIERY BY-PRODUCT WORKS :—A conference with the responsible officials at this colliery has resulted in the adoption of a suggested scheme for the treatment of this difficult effluent. Works are in progress and special attention will be given to their operation. Para. 23 (51) Sept., 1934.

(61) LANGLEY PARK (EAST) SEWAGE DISPOSAL WORKS :—Chemical treatment for cleaning the filtering media of the percolating filter is under observation, and tests are being carried out. Para. 36 (36) March, 1933.

## SEDFIELD RURAL DISTRICT.

(62) FISHBURN COLLIERY COAL WASHER AND BY-PRODUCT WORKS—POLLUTION OF RIVER SKERNE :—Pollution by coal slurry, etc., has been observed during the past quarter. A conference with the chief officials of the colliery company and the district surveyor resulted in the suggestions put forward to deal with this pollution being put in hand immediately. The construction of the Coppée coal washer is now completed. Trials and tests are being carried out and necessary adjustments to the plant and machinery are being made. When completed, the recurrence of pollution will be prevented. Para. 23 (52) Sept., 1934.



Para. 23 (53)  
Sept., 1934.

(63) **SEDGEFIELD AND WINTERTON MENTAL HOSPITAL SEWAGE DISPOSAL WORKS** :—The construction of these works is now completed, and they were opened on the 30th October, 1934. Several inspections of these works have been made during the past quarter to determine the period for sludging and ripening of the filters, and slight alterations and adjustments are to be made to the works.

(64) **CHILTON AND DENE BRIDGE BY-PRODUCT WORKS** :—Pollution of the Rushyford Beck by effluents from these works has been observed and traced. Subsequently, a conference with the chief officials of the colliery company and works resulted in certain schemes being agreed upon, which it is hoped will prevent further pollution.

#### SOUTH SHIELDS RURAL DISTRICT.

Para. 23 (54)  
Sept., 1934.

(65) **WATER CARRIAGE SYSTEM** :—The Clerk to the District Council wrote on the 10th November last stating that this matter is proceeding satisfactorily.

Para. 23 (55)  
Sept., 1934.

(66) **BOLDON COLLIERY—RELAYING OF SEWERS** :—This work is also proceeding satisfactorily.

#### STOCKTON RURAL DISTRICT.

Para. 23 (56)  
Sept., 1934.

(67) **WOLVISTON SEWAGE WORKS** :—The Clerk to the District Council wrote on the 29th November last stating “ My Council fully recognise that the existing disposal works are not adequate for dealing with the development which has taken place and which is taking place in this area, and my Council’s Inspector submitted a Scheme for the purpose of dealing with the position on a more or less tentative basis pending the result of the Inquiry by the Ministry of Health in regard to the re-arrangement of the County Districts.”

“ One of the recommendations of my Council’s Inspector was the provision of settling tanks and instructions were given by my Council to at once obtain tenders for the work. My Council’s Inspector reported that a great deal of the difficulty which arises at these sewage works is caused by the surface water being carried in my Council’s sewers and so being discharged into the sewage works, and it would very materially help the position if the County Council could make some other provision in regard to the surface water from the village of Wolviston.”

With reference to the surface water from the village of Wolviston, it may be stated that the majority of the street gullies were originally connected by the Rural District Council themselves when they were the highway authority, and under the Local Government Act, 1929, the County Council, as the highway authority, have the right to continue any such system.

#### WEARDALE RURAL DISTRICT.

Para. 23 (58)  
Sept., 1934.

(68) **ELMFORD LEAD MINES** :—Progress is reported in the improvements at this place, and work has been commenced at the West Black Dene level for the working and washing of barytes from this mine, which will overcome pollution of the stream by effluents from the washing plant.

Para. 23 (59)  
Sept., 1934.

(69) **HOLYWOOD HALL SANATORIUM, BAAL HILL FARM SEWAGE WORKS** :—The main effluent drain from the sewage works has been connected to the main drainage system of the sanatorium.

Para. 25 (40)  
June, 1934.

(70) **ST. JOHN’S CHAPEL—WORKS OF SEWERAGE** :—Good progress has been made on the extension of the main outfall sewer, while the laying of an 8-inch sewer from Pryse to Burnfoot is also proceeding.

Para. 25 (41)  
June, 1934.

(71) **CRAWLEYSIDE SEWAGE DISPOSAL WORKS** :—The improvements and alterations to these works are now completed.

(72) **EDMONDBYERS—WORKS OF SEWAGE** :—The District Council have under consideration a scheme to extend the present sewer in order to link up several farmhouses which at present are discharging untreated sewage on to land, etc.

(73) **WOLSINGHAM SEWAGE WORKS** :—Land in the vicinity of these works has been used for the tipping of refuse. It would be a distinct advantage to the District Council if they provided a suitable tip, and also considered the question of privy conversion to the water carriage system. There is sufficient land for final filtration if a screening chamber and sedimentation tanks were provided at these works.

(74) Works of sewerage are also in progress on a branch sewer from Back Lane to Meadhope Street.

## (75) REFUSE IN STREAMS :—

Para. 25 (42)  
June, 1934.

Wolsingham . . . . . Old Tip, Westgarth's and Ward's fields.

Frosterley . . . . . Near sewage works and railway bridge end.

Eastgate Westgate, etc.

There is no doubt that the streams in the above localities are at times in a very bad condition due to the tipping of trade and domestic refuse. Warning notices have been in existence in several places for a number of years and now several notice boards have been added at appropriate places. It would appear that no improvement will occur until definite steps, such as the taking of legal proceedings against offenders, are taken by the District Council. A suitable tip should be provided by the District Council for the village of Wolsingham.

**MATERNITY AND CHILD WELFARE.**

40 The Welfare Medical Officer reports to me as follows :—

## (1) CENTRES

DURHAM.—The first session in the new premises at 14, Old Elvet, Durham, was held on the 9th November

SILKSWORTH.—This centre was closed on the 28th November as the premises were not available on that day.

WASHINGTON.—This centre was held temporarily in the National Schools while alterations were being made to the Miners' Welfare Hall. These alterations are now completed and the first session will be held in the above-named hall on the 11th January, 1935.

## (2) ACTIVITIES OF VOLUNTARY WORKERS

At many of the centres Christmas parties, teas, or social gatherings have been or are being provided by the voluntary committees. Some of the committees have provided the mothers who are regular attenders with groceries and useful articles, instead of giving the customary parties.

## (3) FEDERATION OF VOLUNTARY WORKERS.

A meeting of the above was held in the Shire Hall, Durham, on the 27th November, when a most interesting lecture was given by Dr. Bacon, of Newcastle, on the "Healthy Mind," at which Mrs. Ellis presided.

## (4) FEDERATION CONVALESCENT SCHEME.

Under the above-named scheme the sum of £183 17s. 1d. was subscribed by the voluntary committees of the various centres during the year. Thirty-six mothers with children and thirty mothers alone were sent to convalescent homes, private houses in the country, and at the seaside, and also a few to relatives. Many appreciative letters have been received as the mothers derived much benefit from their change of air and environment.

## (5) HEALTH WEEK ACTIVITIES.

In co-operation with the doctors and health visitors the voluntary committees at most of the centres have, as in former years, organised Health Day Celebrations. The attendances this year have been very satisfactory and show the increased interest the mothers are taking in health matters.

## (6) BIRTH CONTROL.

In accordance with the Ministry of Health Circulars Nos. 1208 and 1408, medical officers at welfare centres have been authorised to give advice on birth control to married women who seek advice and who are suffering from gynæcological conditions or diseases which render further pregnancies a danger to life or definitely detrimental to health.

I have obtained replies from the assistant welfare medical officers to a questionnaire which was sent to them dealing with a request for birth-control instruction, and the following is a summary of the main points :—

- (1) There have been 62 inquiries definitely during the last half-year for birth-control instruction.
- (2) Most of these inquiries have been at centres within reasonable distance of Newcastle.



- (3) Practically all the cases have been referred to the Scotswood Road Women's Clinic at Newcastle.
- (4) For medical reasons, a considerable number of expectant mothers should, on the termination of their present pregnancies, have birth-control instruction to prevent further pregnancies.
- (5) If birth-control is to be really effective there must be education of both sexes.

Very few patients have sought this advice from the medical officers of the centres, but when requested instruction has been given. Up to the present the instruction has been verbal as none of the centres has the necessary equipment to supply to the patients, or to allow the demonstration of the recommended appliances. Patients have, from time to time, been referred to the Scotswood Road Women's Welfare Clinic, Newcastle-on-Tyne, which is in charge of a specially trained medical woman assisted by a specially trained health visitor. Financial help has generally been given to county cases by the voluntary committees at the centres. The cost of equipment for a birth control clinic, where there is also an ante-natal clinic, would at the most be £10, and the initial cost to each patient for the most approved appliances when obtained from the clinic would be approximately 7/6.

If this work is to be done satisfactorily, I would suggest that birth control clinics be provided in suitable centres in order that patients who qualify may receive the necessary instruction from the medical officer in charge of the centre. Patients recommended from adjacent centres, family doctors, and midwives, would also receive advice. The first clinic would be at Durham, and centres at Bishop Auckland, Birtley, and Consett would be opened later.

It is difficult to say if the re-organisation of this part of the service will result in a marked increase in requests for instruction, but should it do so, the existing staff could not cope with it without encroaching on the time which must be given to the medical and educational work of the ante-natal and maternity and child welfare centres. An additional medical officer, health visitor, and travelling girl clerk would be required, but there would not be sufficient work for these whole-time officers unless some of the deferred extensions of the maternity and child welfare service were made.

#### (7) CASES OF SQUINT.

94 children have been treated by the school oculist during the quarter.

#### (8) ARTIFICIAL SUNLIGHT CLINICS.

| Centre.                  | No. on books. | Attendances. | Average attendance<br>per session. |
|--------------------------|---------------|--------------|------------------------------------|
| Bishop Auckland .....    | 153           | 389          | 17                                 |
| Dunston .....            | 424           | 929          | 39                                 |
| Horden .....             | 225           | 948          | 40                                 |
| Houghton-le-Spring ..... | 257           | 868          | 36                                 |

#### (9) ATTENDANCES OF COUNTY MOTHERS AT BOROUGH WELFARE CENTRES.

|                             |            |      |                 |
|-----------------------------|------------|------|-----------------|
| Darlington .....            | 6 mothers  | made | 48 attendances. |
| Gateshead .....             | 1 mother   | „    | 5 „             |
| South Shields .....         | 27 mothers | „    | 73 „            |
| Stockton .....              | 3 „        | „    | 6 „             |
| Sunderland .....            | 2 „        | „    | 11 „            |
| West Hartlepool .....       | 11 „       | „    | 94 „            |
| Yarm and Eaglescliffe ..... | 22 „       | „    | 114 „           |

#### (10) BABIES' HOSPITAL AND MOTHERCRAFT CENTRE, NEWCASTLE-ON-TYNE.

The following children have been admitted to this Hospital :—

| Name.                | Address.             | Admitted. | Dis-<br>charged. | Amount<br>Paid by<br>Parents. | Amount<br>Paid by<br>County Council. |
|----------------------|----------------------|-----------|------------------|-------------------------------|--------------------------------------|
| Ruth Moreland .....  | Seaham Harbour ..... | 10-11-34  | Still in.        | Nil.                          | 21/- per week.                       |
| Martha Rochester ... | New Seaham .....     | 17-12-34  | Still in.        | Nil.                          | 21/- per week.                       |



### NOTIFICATION OF BIRTHS.

41. The number of births notified in the administrative county during the past quarter under the Notification of Births Acts, as adjusted by transferred notifications, was 3,951, and exceeded the births registered by 106. In the County Council Notification of Births Act area (i.e., the administrative county, less the urban districts of Hartlepool, Jarrow, and Stockton) the number of births notified was 3,412, and exceeded by 84 the births registered in that area.

The number of unnotified births reported and enquired into by the county health visitors was 79, viz. :—

|                                    |            |
|------------------------------------|------------|
| 39 Doctors failed to notify .....  | 55 births. |
| 21 Midwives failed to notify ..... | 24 „       |

### ADMISSION OF COUNTY PATIENTS TO MATERNITY HOMES.

42. The following statement shows the number of patients whose applications for admission to maternity homes were approved during the quarter, and a comparison is made with the figures for the three previous quarters and for the corresponding quarter of last year :—

| MATERNITY HOME.   | QUARTER ENDED. |             |             |              |             |
|---|----------------|-------------|-------------|--------------|-------------|
|   | Dec., 1933.    | Mar., 1934. | June, 1934. | Sept., 1934. | Dec., 1934. |
| County Maternity Home, Bishop Auckland .....              | 69             | 91          | 96          | 80           | 64          |
| Richard Murray Hospital, Blackhill .....                  | 77             | 80          | 74          | 54           | 65          |
| Maternity Home, Sunderland ....                           | 26             | 17          | 29          | 29           | 15          |
| Maternity Home, West Hartlepool .....                     | 4              | 7           | 9           | 12           | 7           |
| Princess Mary Maternity Hospital, Newcastle-on-Tyne ..... | 13             | 13          | 10          | 10           | 7           |
| Robson Maternity Home, Stockton-on-Tees .....             | —              | —           | 1           | 3            | 1           |

Every care has been taken to see that the patients contributed towards the cost of maintenance in the institutions according to their means.

### VITAL STATISTICS.

43. Tabulated statement of quarterly birth-rates, total death-rates, and death-rates from certain specified causes in the administrative county :—

|  | Quarter ended   |              |             |                  |                 |
|--|-----------------|--------------|-------------|------------------|-----------------|
|  | December, 1933. | March, 1934. | June, 1934. | September, 1934. | December, 1934. |
| RATES PER 1,000 POPULATION.                  |                 |              |             |                  |                 |
| Birth-rate .....                             | 15·6            | 18·2         | 18·2        | 17·2             | 16·7            |
| Total Death-rate .....                       | 10·7            | 14·0         | 12·2        | 9·4              | 10·4            |
| Death-rate from :—                           |                 |              |             |                  |                 |
| Zymotic Diseases .....                       | 0·71            | 0·69         | 0·65        | 0·44             | 0·50            |
| Smallpox .....                               | —               | —            | —           | —                | —               |
| Scarlet Fever .....                          | 0·14            | 0·16         | 0·10        | 0·06             | 0·04            |
| Diphtheria and Croup .....                   | 0·11            | 0·10         | 0·12        | 0·18             | 0·22            |
| “ Fevers ” (Typhoid, &c.) .....              | 0·01            | 0·02         | —           | 0·004            | 0·004           |
| Measles .....                                | 0·15            | 0·21         | 0·24        | 0·07             | 0·04            |
| Whooping Cough .....                         | 0·06            | 0·10         | 0·06        | 0·04             | 0·08            |
| Diarrhœa (under 2 years of age) .....        | 0·23            | 0·10         | 0·14        | 0·08             | 0·11            |
| Pulmonary Tuberculosis .....                 | 0·63            | 0·83         | 0·80        | 0·54             | 0·58            |
| Non-Pulmonary Tuberculosis .....             | 0·13            | 0·14         | 0·16        | 0·14             | 0·14            |
| Bronchitis, Pneumonia and Pleurisy .....     | 0·90            | 1·56         | 1·02        | 0·53             | 0·66            |
| Influenza .....                              | 0·13            | 0·35         | 0·20        | 0·06             | 0·09            |
| Infant mortality rate per 1,000 births ..... | 83              | 104          | 72          | 53               | 76              |

44. The following table gives the chief vital statistics of the urban and rural districts in the County during the three months ended 31st December, 1934 :—

|                                 | Estimated<br>Population<br>Mid-year,<br>1934. | Per 1,000 Population. |                                       |                       | Infant<br>Mortality<br>rate<br>per 1,000<br>births | Diseases prevalent<br>during quarter. |
|---------------------------------|---|-----------------------|---------------------------------------|-----------------------|--|---------------------------------------|
|                                 |   | Birth-rate            | Death-<br>rate<br>from all<br>causes. | Zymotic<br>death-rate |  |                                       |
| Administrative County .....     | 923,210                                       | 16·7                  | 10·4                                  | 0·50                  | 76   |                                       |
| Co. Boro' of Darlington .....   | 73,340  | 12·3                  | 9·4                                   | 0·05                  | 34   | Scarlet Fever.                        |
| Co. Boro' of Gateshead .....    | 124,320                                       | 17·3                  | 11·7                                  | 0·32                  | 80   | Do.                                   |
| Co. Boro' of South Shields .... | 114,100                                       | 17·0                  | 11·6                                  | 0·35                  | 64   | Do.                                   |
| Co. Boro' of Sunderland .....   | 187,400                                       | 18·9                  | 11·2                                  | 0·38                  | 55   | Do.                                   |
| Co. Boro' of West Hartlepool .. | 70,790  | 18·4                  | 11·2                                  | 0·51                  | 52   | Do.                                   |
| URBAN DISTRICTS.                |   |                       |                                       |                       |  |                                       |
| Durham Borough .....            | 16,680  | 15·6                  | 10·3                                  | 0·24                  | 108  |                                       |
| Hartlepool Borough .....        | 19,910  | 15·9                  | 10·6                                  | 0·60                  | 51   |                                       |
| Jarrow Borough .....            | 31,680  | 15·3                  | 9·1                                   | 0·76                  | 132  |                                       |
| Stockton Borough .....          | 67,330  | 18·8                  | 10·7                                  | 0·18                  | 41   | Do.                                   |
| Annfield Plain .....            | 16,180  | 19·1                  | 13·1                                  | 1·49                  | 91   | Diphtheria.                           |
| Barnard Castle .....            | 4,030   | 11·9                  | 15·8                                  | —                     | 83   |                                       |
| Benfieldside .....              | 9,170   | 19·6                  | 9·2                                   | 0·44                  | —  |                                       |
| Billingham .....                | 18,780  | 17·5                  | 6·8                                   | 0·21                  | 61   | Do.                                   |
| Bishop Auckland .....           | 12,020  | 14·3                  | 11·3                                  | —                     | 23   | Do.                                   |
| Blaydon .....                   | 32,440  | 15·8                  | 10·1                                  | 0·12                  | 102  | Do.                                   |
| Brandon and Byshottles .....    | 16,730  | 18·7                  | 8·4                                   | 0·48                  | —  | Do.                                   |
| Chester-le-Street .....         | 16,660  | 16·1                  | 11·8                                  | 0·48                  | 45   |                                       |
| Consett .....                   | 12,370  | 18·8                  | 13·3                                  | 1·30                  | 86   |                                       |
| Crook .....                     | 11,270  | 16·7                  | 12·4                                  | —                     | 64   |                                       |
| Felling .....                   | 26,970  | 16·5                  | 9·1                                   | 0·15                  | 99   |                                       |
| Hebburn .....                   | 23,900  | 18·1                  | 16·4                                  | 0·33                  | 102  |                                       |
| Hetton-le-Hole .....            | 18,270  | 17·5                  | 12·3                                  | 1·53                  | 112  | Do.                                   |
| Houghton-le-Spring .....        | 11,120  | 16·5                  | 13·3                                  | 1·80                  | 87   | Do.                                   |
| Leadgate .....                  | 6,340   | 18·9                  | 13·2                                  | 0·63                  | 100  |                                       |
| Ryton .....                     | 14,230  | 13·2                  | 9·6                                   | —                     | 43   |                                       |
| Seaham Harbour .....            | 20,350  | 20·4                  | 9·8                                   | 0·39                  | 77   | Do.                                   |
| Shildon .....                   | 12,420  | 14·5                  | 15·5                                  | 0·64                  | 111  |                                       |
| Spennymoor .....                | 16,080  | 16·9                  | 13·9                                  | —                     | 44   |                                       |
| Stanhope .....                  | 1,670   | 14·3                  | 14·3                                  | —                     | 167  |                                       |
| Stanley .....                   | 24,370  | 14·4                  | 8·9                                   | 0·66                  | 125  | Do.                                   |
| Tanfield .....                  | 9,250   | 18·2                  | 12·1                                  | 1·30                  | 143  |                                       |
| Tow Law .....                   | 3,550   | 18·0                  | 7·9                                   | —                     | 63   |                                       |
| Washington .....                | 17,420  | 20·4                  | 14·0                                  | 0·92                  | 90   | Do.                                   |
| Whickham .....                  | 19,990  | 11·2                  | 12·4                                  | 0·20                  | 125  |                                       |
| Willington .....                | 8,850   | 13·6                  | 9·1                                   | —                     | —  | Do.                                   |
| RURAL DISTRICTS.                |   |                       |                                       |                       |  |                                       |
| Auckland .....                  | 52,130  | 18·0                  | 11·2                                  | 0·61                  | 103  | Do.                                   |
| Barnard Castle .....            | 10,270  | 14·4                  | 8·6                                   | —                     | —  |                                       |
| Chester-le-Street .....         | 51,000  | 15·5                  | 11·5                                  | 0·24                  | 45   | Do.                                   |
| Darlington .....                | 8,880   | 10·8                  | 10·8                                  | —                     | 125  | Do.                                   |
| Durham .....                    | 31,430  | 14·8                  | 10·6                                  | 0·13                  | 52   |                                       |
| Easington .....                 | 90,680  | 19·1                  | 8·7                                   | 0·66                  | 67   | Do.                                   |
| Hartlepool .....                | 2,610   | 7·7                   | 13·8                                  | 1·54                  | 40   | Do.                                   |
| Houghton .....                  | 27,660  | 16·8                  | 9·4                                   | 0·14                  | 86   | Do.                                   |
| Lanchester .....                | 33,450  | 17·1                  | 9·5                                   | 0·48                  | 84   | Do.                                   |
| Sedgefield .....                | 36,820  | 12·4                  | 10·8                                  | 1·20                  | 167  | Do.                                   |
| South Shields .....             | 21,090  | 15·8                  | 11·6                                  | 0·38                  | 60   |                                       |
| Stockton .....                  | 6,720   | 13·1                  | 13·1                                  | 0·60                  | —  |                                       |
| Sunderland .....                | 22,070  | 18·7                  | 11·4                                  | 0·91                  | 39   | Do.                                   |
| Weardale .....                  | 8,370   | 15·8                  | 13·4                                  | 0·48                  | 91   |                                       |

County Health Department,  
Shire Hall, Durham,  
4th January, 1935.

JAS. McINTYRE,  
County Medical Officer.



## APPENDIX I.

## PREVENTION OF TUBERCULOSIS.

QUARTER ENDED 31ST DECEMBER, 1934.

Statement of notifications of tuberculosis, in the different urban and rural districts in the county, and of treatment granted to new cases under the County Tuberculosis Scheme.

| DISTRICT.                  | NOTIFICATIONS.<br>Form A (Primary). |                    | Number<br>of<br>New Cases. | NEW CASES TREATED. |           |                   |                  |                                     |                      |                        |
|----------------------------|-------------------------------------|--------------------|----------------------------|--------------------|-----------|-------------------|------------------|-------------------------------------|----------------------|------------------------|
|                            | Pulmonary                           | Non-<br>Pulmonary. |                            | TREATMENT GRANTED. |           |                   |                  |                                     |                      |                        |
|                            |                                     |                    |                            | San-<br>atorium.   | Hospital. | Dom-<br>iciliary. | Dis-<br>pensary. | Home<br>(Non-<br>insured<br>Cases). | Ultra Violet<br>Ray. | Surgical<br>Appliances |
| 1                          | 2                                   | 3                  | 4                          | 5                  | 6         | 7                 | 8                | 9                                   | 10                   | 11                     |
| URBAN.                     |                                     |                    |                            |                    |           |                   |                  |                                     |                      |                        |
| Durham Borough .....       | 3                                   | 1                  | 4                          | 3                  | —         | —                 | 1                | —                                   | —                    | —                      |
| Hartlepool Borough.....    | 6                                   | 1                  | 6                          | 4                  | 2         | —                 | —                | —                                   | —                    | —                      |
| Jarrow Borough .....       | 16                                  | 8                  | 14                         | 11                 | —         | —                 | 3                | —                                   | —                    | —                      |
| Stockton Borough .....     | 13                                  | 8                  | 16                         | 9                  | —         | —                 | 6                | 1                                   | —                    | —                      |
| Annfield Plain .....       | 1                                   | 2                  | 5                          | 2                  | —         | —                 | 1                | 2                                   | —                    | —                      |
| Barnard Castle .....       | 2                                   | —                  | 2                          | —                  | —         | 1                 | 1                | —                                   | —                    | —                      |
| Benfieldside .....         | 2                                   | —                  | 1                          | 1                  | —         | —                 | —                | —                                   | —                    | —                      |
| Billingham .....           | 7                                   | 3                  | 7                          | 3                  | —         | —                 | 4                | —                                   | —                    | —                      |
| Bishop Auckland .....      | 2                                   | 2                  | —                          | —                  | —         | —                 | —                | —                                   | —                    | —                      |
| Blaydon .....              | 1                                   | 5                  | 4                          | 4                  | —         | —                 | —                | —                                   | —                    | —                      |
| Brandon and Byshottles ... | 4                                   | —                  | 5                          | 3                  | —         | 1                 | —                | 1                                   | —                    | —                      |
| Chester-le-Street .....    | 6                                   | 1                  | 3                          | 1                  | —         | 1                 | —                | 1                                   | —                    | —                      |
| Consett .....              | 2                                   | 1                  | 2                          | 2                  | —         | —                 | —                | —                                   | —                    | —                      |
| Crook .....                | 1                                   | —                  | —                          | —                  | —         | —                 | —                | —                                   | —                    | —                      |
| Felling .....              | 9                                   | 5                  | 17                         | 5                  | —         | 3                 | 6                | 3                                   | —                    | —                      |
| Hebburn .....              | 14                                  | 7                  | 14                         | 7                  | 2         | 3                 | 1                | 1                                   | —                    | —                      |
| Hetton-le-Hole .....       | 5                                   | 5                  | 9                          | 4                  | 1         | —                 | 3                | —                                   | 1                    | —                      |
| Houghton-le-Spring .....   | 3                                   | —                  | 3                          | 2                  | 1         | —                 | —                | —                                   | —                    | —                      |
| Leadgate .....             | 1                                   | —                  | 2                          | 2                  | —         | —                 | —                | —                                   | —                    | —                      |
| Ryton .....                | —                                   | —                  | —                          | —                  | —         | —                 | —                | —                                   | —                    | —                      |
| Seaham Harbour .....       | 5                                   | 2                  | 5                          | 5                  | —         | —                 | —                | —                                   | —                    | —                      |
| Shildon .....              | 1                                   | 3                  | 4                          | 4                  | —         | —                 | —                | —                                   | —                    | —                      |
| Spennymoor .....           | 5                                   | 3                  | 7                          | 6                  | —         | 1                 | —                | —                                   | —                    | —                      |
| Stanhope .....             | 1                                   | —                  | 1                          | —                  | —         | —                 | 1                | —                                   | —                    | —                      |
| Stanley .....              | 1                                   | 3                  | 4                          | 2                  | 1         | 1                 | —                | —                                   | —                    | —                      |
| Tanfield .....             | —                                   | 2                  | 2                          | 1                  | —         | —                 | 1                | —                                   | —                    | —                      |
| Tow Law .....              | 2                                   | 1                  | 1                          | 1                  | —         | —                 | —                | —                                   | —                    | —                      |
| Washington .....           | 7                                   | 4                  | 3                          | 2                  | —         | 1                 | —                | —                                   | —                    | —                      |
| Whickham .....             | 8                                   | 3                  | 10                         | 6                  | 2         | 1                 | —                | 1                                   | —                    | —                      |
| Willington .....           | 1                                   | 1                  | 1                          | 1                  | —         | —                 | —                | —                                   | —                    | —                      |
| TOTALS ..                  | 129                                 | 71                 | 152                        | 91                 | 9         | 13                | 28               | 10                                  | 1                    | —                      |
| RURAL.                     |                                     |                    |                            |                    |           |                   |                  |                                     |                      |                        |
| Auckland .....             | 9                                   | —                  | 8                          | 6                  | —         | 1                 | 1                | —                                   | —                    | —                      |
| Barnard Castle .....       | 1                                   | —                  | —                          | —                  | —         | —                 | —                | —                                   | —                    | —                      |
| Chester-le-Street .....    | 8                                   | 7                  | 13                         | 9                  | 1         | —                 | 1                | 1                                   | 1                    | —                      |
| Darlington .....           | 2                                   | 2                  | 4                          | 3                  | 1         | —                 | —                | —                                   | —                    | —                      |
| Durham .....               | 6                                   | 5                  | 12                         | 7                  | —         | —                 | 4                | —                                   | 1                    | —                      |
| Easington .....            | 22                                  | 16                 | 27                         | 23                 | 1         | —                 | 2                | —                                   | 1                    | —                      |
| Hartlepool .....           | —                                   | —                  | —                          | —                  | —         | —                 | —                | —                                   | —                    | —                      |
| Houghton-le-Spring .....   | 7                                   | 5                  | 13                         | 11                 | 2         | —                 | —                | —                                   | —                    | —                      |
| Lanchester .....           | 8                                   | 5                  | 11                         | 4                  | 1         | 1                 | 3                | 2                                   | —                    | —                      |
| Sedgefield.....            | 7                                   | 3                  | 10                         | 8                  | 1         | —                 | 1                | —                                   | —                    | —                      |
| South Shields .....        | 7                                   | 4                  | 6                          | 2                  | 1         | 1                 | 1                | 1                                   | —                    | —                      |
| Stockton .....             | 1                                   | 2                  | 3                          | 1                  | —         | 1                 | 1                | —                                   | —                    | —                      |
| Sunderland .....           | 3                                   | 5                  | 3                          | 1                  | —         | —                 | 2                | —                                   | —                    | —                      |
| Weardale .....             | —                                   | —                  | —                          | —                  | —         | —                 | —                | —                                   | —                    | —                      |
| TOTALS ....                | 81                                  | 54                 | 110                        | 75                 | 8         | 4                 | 16               | 4                                   | 3                    | —                      |
| ADMINISTRATIVE COUNTY ..   | 210                                 | 125                | 262                        | 166                | 17        | 17                | 44               | 14                                  | 4                    | —                      |



## APPENDIX II.

## COUNTY HEALTH VISITORS.

STATEMENT OF WORK ACCOMPLISHED DURING THE QUARTER ENDED  
31st DECEMBER, 1934.

|   |        |
|---|--------|
| Total number of health visitors on duty at the beginning of October ..... | 89     |
| Do. do. do. end of December .....   | 90     |
| Ante-natal—1st visits .....   | 769    |
| Revisits .....  | 477    |
| Births—1st visits .....   | 3350   |
| Revisits under 1 year .....   | 8324   |
| „ 1 to 2 years .....  | 6164   |
| „ 2 to 3 „ .....  | 5965   |
| „ 3 to 4 „ .....  | 5398   |
| „ 4 to 5 „ .....  | 6685   |
| „ 5 to 6 „ .....  | 152    |
| Uncertified midwives .....  | 4      |
|   | 37,288 |
| Plus 1,410 attendances at child welfare centres $\times$ 19 visits .....  | 26,790 |
| Maternity and Child Welfare Total .....                                   | 64,078 |

## TUBERCULOSIS.

|   |        |
|---|--------|
| Tuberculosis—1st visits .....                                 | 297    |
| Re-visits .....   | 4,617  |
|   | 4,914  |
| Plus 378 attendances at dispensaries $\times$ 19 visits ..... | 7,182  |
| Tuberculosis Total .....                                      | 12,096 |

## SCHOOL WORK.

|   |        |
|---|--------|
| School children (Home Visits) .....   | 5,273  |
| Schools .....   | 1,057  |
|   | 6,330  |
| Plus Head to Head inspections days 17 $\times$ 19 visits .....  | 323    |
| Plus 75 attendances at school clinics $\times$ 19 visits .....  | 1,425  |
| Plus 16 days spent conducting children to special schools .....   | 304    |
| School Work Total .....   | 8,382  |
| Average daily number of visits per health visitor .....   | 18.9   |
| Unclassified visits .....   | 3,477  |
| Ineffective visits .....  | 3,315  |
| Total number of visits (not including attendances at dispensaries, child welfare centres or ineffective visits) ..... | 52,009 |
| Reported to district medical officers of health :—  |        |
| Overcrowding .....  | 186    |
| Sanitary defects .....  | 272    |
|   | 458    |

| PART-TIME OFFICERS.                       | Total<br>No. of<br>Visits. | Attendances                        |                                 |                        |  |  |
|---|----------------------------|------------------------------------|---------------------------------|------------------------|--|--|
|   |                            | Attendances<br>at<br>Dispensaries. | at Child<br>Welfare<br>Centres. | Ineffective<br>Visits. |  |  |
| Hartlepool Borough Health Visitors .....  | 82                         | .. 8                               | .. —                            | .. —                   |  |  |
| Barnard Castle Urban District Nurse ..... | 244                        | .. —                               | .. 6                            | .. 1                   |  |  |
| Total .....                               | 326                        | .. 8                               | .. 6                            | .. 1                   |  |  |

## APPENDIX III.

STATEMENT AS TO THE POSITION OF HOUSING SCHEMES IN THE  
ADMINISTRATIVE COUNTY OF DURHAM.

(Information in Cols. 7-10 inclusive supplied by the respective District Councils).

| Sanitary District.           | Private families and dwellings,<br>Census, 1931. |   |   |                   |                         | No. of houses<br>in course of<br>construction. |                                    | No. of houses<br>completed<br>since 1919. |                                    |
|------------------------------|--|---|---|-------------------|-------------------------|--|------------------------------------|---|------------------------------------|
|                              | Private<br>families.                             | Popu-<br>lation<br>in<br>Private<br>families. | Struc-<br>turally<br>separate<br>dwell-<br>ings<br>occupied | Rooms<br>occupied | Persons<br>per<br>room. | By<br>Private<br>Persons                       | By the<br>Local<br>Autho-<br>rity. | By<br>Private<br>Persons                  | By the<br>Local<br>Autho-<br>rity. |
| 1                            | 2  | 3   | 4   | 5                 | 6                       | 7  | 8                                  | 9   | 10                                 |
| <b>URBAN.</b>                |  |   |   |                   |                         |  |                                    |   |                                    |
| Durham .....                 | 3956   | 14669   | 3148  | 14849             | 0.99                    | —  | 100                                | 58  | 320                                |
| Hartlepool .....             | 4780   | 19694   | 4114  | 16824             | 1.17                    | 4  | —                                  | 33  | 360                                |
| *Jarrow .....                | 7718   | 31486   | 7400  | 23806             | 1.32                    | 2  | 78                                 | 98  | 734                                |
| Stockton .....               | 16164  | 65703   | 14916   | 69079             | 0.95                    | 153  | 336                                | 2006                                      | 1851                               |
| Annfield Plain .....         | 3887   | 15854   | 3609  | 12576             | 1.26                    | 5  | 28                                 | 260                                       | 416                                |
| Barnard Castle .....         | 1062   | 3686  | 1042  | 5050              | 0.73                    | 12   | —                                  | 119                                       | 25                                 |
| Benfieldside .....           | 2060   | 8277  | 1985  | 7789              | 1.06                    | 37   | 20                                 | 220                                       | 206                                |
| Billingham .....             | 4198   | 17782   | 4018  | 18392             | 0.97                    | 65   | 68                                 | 2338                                      | 1000                               |
| Bishop Auckland .....        | 3091   | 11670   | 2979  | 12693             | 0.92                    | 41   | —                                  | 191                                       | —                                  |
| *Blaydon .....               | 7618   | 31837   | 7131  | 25146             | 1.27                    | 35   | —                                  | 614                                       | 1082                               |
| Brandon and Byshottles ..... | 4031   | 17021   | 3887  | 14080             | 1.21                    | 1  | —                                  | 41  | 337                                |
| Chester-le-Street .....      | 3971   | 15960   | 3788  | 14205             | 1.12                    | 48   | 50                                 | 722                                       | 893                                |
| Consett .....                | 2875   | 12132   | 2691  | 10420             | 1.16                    | 19   | —                                  | 161                                       | 711                                |
| Crook .....                  | 2936   | 11570   | 2866  | 10528             | 1.10                    | 7  | —                                  | 80  | 228                                |
| Felling .....                | 6591   | 26885   | 6297  | 20584             | 1.31                    | 11   | 53                                 | 270                                       | 1060                               |
| Hebburn .....                | 5551   | 23581   | 5133  | 16433             | 1.43                    | 72   | 103                                | 192                                       | 763                                |
| Hetton-le-Hole .....         | 4090   | 17590   | 3861  | 14273             | 1.23                    | 3  | 68                                 | 203                                       | 668                                |
| Houghton-le-Spring .....     | 2544   | 10330   | 2423  | 8946              | 1.15                    | 6  | 12                                 | 150                                       | 543                                |
| Leadgate .....               | 1441   | 6367  | 1365  | 4732              | 1.35                    | 8  | 14                                 | 541                                       | 166                                |
| Ryton .....                  | 3355   | 14068   | 3193  | 11812             | 1.19                    | 10   | —                                  | 369                                       | 410                                |
| Seaham Harbour .....         | 4645   | 19115   | 3607  | 14993             | 1.27                    | 2  | 126                                | 569                                       | 1322                               |
| Schildon .....               | 3327   | 12665   | 3292  | 12731             | 0.99                    | 6  | —                                  | 75  | 126                                |
| Spennymoor .....             | 3881   | 15938   | 3703  | 14185             | 1.12                    | 12   | —                                  | 90  | —                                  |
| Stanhope .....               | 442  | 1644  | 437   | 1814              | 0.91                    | 4  | 8                                  | 1   | —                                  |
| Stanley .....                | 5956   | 24149   | 5434  | 19834             | 1.22                    | 3  | —                                  | 219                                       | 770                                |
| Tanfield .....               | 2272   | 9145  | 2176  | 7604              | 1.20                    | 5  | 72                                 | 91  | 318                                |
| Tow Law .....                | 912  | 3535  | 898   | 2962              | 1.19                    | —  | —                                  | 7   | —                                  |
| Washington .....             | 3844   | 16820   | 3709  | 13125             | 1.28                    | 13   | —                                  | 204                                       | 855                                |
| Whickham .....               | 5009   | 20289   | 4688  | 17550             | 1.16                    | 93   | 40                                 | 796                                       | 882                                |
| Willington .....             | 2221   | 8946  | 2187  | 8102              | 1.10                    | 4  | —                                  | 46  | 312                                |
| <b>RURAL.</b>                |  |   |   |                   |                         |  |                                    |   |                                    |
| Auckland .....               | 13086  | 52795   | 12905   | 46534             | 1.13                    | 20   | —                                  | 317                                       | 177                                |
| Barnard Castle .....         | 2598   | 10045   | 2593  | 11335             | 0.89                    | 10   | 8                                  | 73  | 20                                 |
| Chester-le-Street .....      | 12462  | 52697   | 12026   | 43528             | 1.21                    | 46   | 67                                 | 812                                       | 1515                               |
| Darlington .....             | 2163   | 8543  | 2110  | 10284             | 0.83                    | 38   | 6                                  | 332                                       | 62                                 |
| Durham .....                 | 7524   | 30818   | 7203  | 26969             | 1.14                    | 214  | 184                                | 764                                       | 836                                |
| Easington .....              | 20068  | 87190   | 18276   | 67366             | 1.29                    | 227  | 185                                | 3872                                      | 2427                               |
| Hartlepool .....             | 760  | 3269  | 743   | 3601              | 0.91                    | —  | —                                  | 89  | —                                  |
| Houghton-le-Spring .....     | 6539   | 27165   | 6316  | 22536             | 1.21                    | 5  | 70                                 | 506                                       | 830                                |
| Lanchester .....             | 7676   | 32809   | 7451  | 26894             | 1.22                    | 9  | 128                                | 945                                       | 833                                |
| Sedgefield .....             | 7991   | 34235   | 7769  | 30188             | 1.13                    | 20   | 186                                | 583                                       | 880                                |
| South Shields .....          | 5073   | 20133   | 4817  | 19737             | 1.02                    | 37   | —                                  | 1539                                      | 725                                |
| Stockton .....               | 1615   | 6466  | 1601  | 8266              | 0.78                    | 45   | —                                  | 219                                       | —                                  |
| Sunderland .....             | 4819   | 21231   | 4352  | 16137             | 1.32                    | 10   | —                                  | 136                                       | 650                                |
| Weardale .....               | 2266   | 8348  | 2264  | 8822              | 0.95                    | 12   | —                                  | 58  | 20                                 |
| Totals .....                 | 219068   | 904152  | 206403  | 787314            | 1.15                    | 1374   | 2010                               | 21009                                     | 25388                              |

\* No reply received this Quarter.

## APPENDIX IV.

## BACTERIOLOGICAL EXAMINATIONS.

Table giving particulars of specimens sent for examination during the quarter ended 31st December, 1934, in accordance with the arrangements made between the County Council and the Durham College of Medicine :—

| DISTRICT.              | ENTERIC FEVER. |              |           |               |           |           |               |           |           | Diphtheria. | Tuber-<br>culosis. | Tuber-<br>culosis.* | Miscel-<br>laneous.† |               |     |     |    |    |    |
|------------------------|----------------|--------------|-----------|---------------|-----------|-----------|---------------|-----------|-----------|-------------|--------------------|---------------------|----------------------|---------------|-----|-----|----|----|----|
|                        | Typhoid.       | Paratyphoid. |           |               |           |           |               |           |           |             |                    |                     |                      |               |     |     |    |    |    |
|                        |                | A.           |           |               | B.        |           |               |           |           |             |                    |                     |                      |               |     |     |    |    |    |
|                        |                | Positive.    | Negative. | Inconclusive. | Positive. | Negative. | Inconclusive. | Positive. | Negative. |             |                    |                     |                      | Inconclusive. |     |     |    |    |    |
| URBAN.                 |                |              |           |               |           |           |               |           |           |             |                    |                     |                      |               |     |     |    |    |    |
| Durham Borough         | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 7         | 16          | 1                  | 1                   | 6                    | 4             | 5   | ..  | .. | .. | .. |
| Hartlepool Borough     | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 6         | 11          | 2                  | ..                  | ..                   | 2             | 5   | ..  | .. | .. | .. |
| Jarrow Borough         | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 6         | 21          | 1                  | 1                   | 1                    | 7             | 22  | ..  | .. | .. | .. |
| Stockton Borough       | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 1         | 23          | ..                 | 7                   | 26                   | 11            | 51  | ..  | .. | .. | .. |
| Annfield Plain         | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 12        | 92          | 4                  | ..                  | 5                    | ..            | 2   | ..  | .. | .. | .. |
| Barnard Castle         | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | ..        | ..          | ..                 | ..                  | ..                   | 1             | 2   | ..  | .. | .. | .. |
| Benfieldside           | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 3         | 5           | ..                 | 2                   | 1                    | ..            | ..  | ..  | .. | .. | .. |
| Billingham             | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 1         | 8           | ..                 | ..                  | 1                    | 3             | 21  | ..  | .. | .. | .. |
| Bishop Auckland        | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | ..        | 1           | ..                 | ..                  | 1                    | 1             | 4   | ..  | .. | .. | .. |
| Blaydon                | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 2         | 2           | 2                  | ..                  | 10                   | ..            | 15  | 1   | .. | .. | .. |
| Brandon and Byshottles | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 37        | 33          | 1                  | 1                   | ..                   | 4             | 8   | ..  | .. | .. | .. |
| Chester-le-Street      | ..             | 1            | ..        | ..            | 1         | ..        | ..            | 1         | 3         | 15          | 2                  | 3                   | 5                    | 1             | 4   | ..  | .. | .. | .. |
| Consett                | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 7         | 17          | 4                  | ..                  | 5                    | 1             | ..  | ..  | .. | .. | .. |
| Crook                  | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 5         | 6           | 1                  | ..                  | 1                    | 2             | 1   | ..  | .. | .. | .. |
| Felling                | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 1         | 1           | ..                 | 1                   | ..                   | 6             | 14  | ..  | .. | .. | .. |
| Hebburn                | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 1         | 8           | 1                  | ..                  | 2                    | 7             | 16  | ..  | .. | .. | .. |
| Hetton-le-Hole         | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 27        | 23          | 7                  | 1                   | 5                    | 2             | 7   | ..  | .. | .. | .. |
| Houghton-le-Spring     | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 7         | 26          | ..                 | ..                  | 1                    | 1             | 2   | ..  | .. | .. | .. |
| Leadgate               | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 4         | 1           | ..                 | ..                  | ..                   | 1             | 2   | ..  | .. | .. | .. |
| Ryton                  | ..             | 1            | ..        | ..            | 1         | ..        | ..            | 1         | 2         | 4           | ..                 | ..                  | 7                    | 1             | 2   | ..  | .. | .. | .. |
| Seaham Harbour         | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | ..        | ..          | 1                  | 1                   | 4                    | 2             | 8   | ..  | .. | .. | .. |
| Shildon                | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 1         | 2           | ..                 | ..                  | 2                    | ..            | 5   | ..  | .. | .. | .. |
| Spennymoor             | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 1         | 3           | ..                 | 2                   | 5                    | 1             | 7   | ..  | .. | .. | .. |
| Stanhope               | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | ..        | ..          | ..                 | ..                  | 1                    | 1             | ..  | ..  | .. | .. | .. |
| Stanley                | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 3         | 11          | ..                 | ..                  | 1                    | ..            | 11  | ..  | .. | .. | .. |
| Tanfield               | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 4         | 7           | ..                 | ..                  | ..                   | ..            | 3   | ..  | .. | .. | .. |
| Tow Law                | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | ..        | 1           | ..                 | ..                  | 1                    | ..            | 1   | ..  | .. | .. | .. |
| Washington             | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 13        | 11          | 1                  | 1                   | 4                    | 1             | 9   | ..  | .. | .. | .. |
| Whickham               | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 8         | 8           | ..                 | 1                   | 8                    | 1             | 9   | ..  | .. | .. | .. |
| Willington             | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | ..        | 1           | ..                 | ..                  | 2                    | ..            | 1   | ..  | .. | .. | .. |
| RURAL.                 |                |              |           |               |           |           |               |           |           |             |                    |                     |                      |               |     |     |    |    |    |
| Auckland               | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 5         | 23          | ..                 | 1                   | 11                   | 37            | 23  | ..  | .. | .. | .. |
| Barnard Castle         | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | ..        | ..          | ..                 | ..                  | 3                    | ..            | 1   | ..  | .. | .. | .. |
| Chester-le-Street      | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 15        | 16          | 1                  | ..                  | 3                    | 1             | 19  | ..  | .. | .. | .. |
| Darlington             | ..             | 1            | ..        | ..            | 1         | ..        | ..            | 1         | ..        | 5           | ..                 | ..                  | 1                    | 1             | 3   | ..  | .. | .. | .. |
| Durham                 | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 6         | 11          | ..                 | 2                   | 5                    | 1             | 11  | 1   | .. | .. | .. |
| Easington              | ..             | 1            | ..        | ..            | 1         | ..        | ..            | 1         | ..        | 4           | 9                  | 1                   | 4                    | 11            | 33  | ..  | 2  | .. | .. |
| Hartlepool             | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | ..        | ..          | ..                 | ..                  | ..                   | ..            | ..  | ..  | .. | .. | .. |
| Houghton-le-Spring     | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 13        | 13          | 1                  | ..                  | 2                    | ..            | 13  | ..  | .. | .. | .. |
| Lanchester             | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 22        | 35          | 3                  | 1                   | 1                    | 2             | 14  | ..  | .. | .. | .. |
| Sedgefield             | ..             | 1            | ..        | ..            | 1         | ..        | ..            | 1         | 30        | 134         | 26                 | 1                   | 3                    | 3             | 4   | ..  | 1  | .. | .. |
| South Shields          | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 1         | ..          | ..                 | 4                   | 4                    | 1             | 4   | ..  | .. | .. | .. |
| Stockton               | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 1         | 3           | ..                 | ..                  | 1                    | ..            | 2   | ..  | .. | .. | .. |
| Sunderland             | ..             | ..           | ..        | ..            | ..        | ..        | ..            | ..        | 11        | 14          | 1                  | 2                   | 13                   | 32            | 17  | ..  | .. | .. | .. |
| Weardale               | ..             | 1            | ..        | ..            | 1         | ..        | ..            | 1         | ..        | 4           | ..                 | ..                  | ..                   | ..            | 1   | ..  | .. | .. | .. |
| ADMINISTRATIVE COUNTY  | ..             | 6            | ..        | ..            | 6         | ..        | ..            | 6         | ..        | 270         | 624                | 61                  | 37                   | 163           | 150 | 382 | 2  | 3  | .. |

\* These are tuberculosis specimens taken at County Dispensaries, Hospitals and Sanatoria.

† This section is comprised of examinations receiving the special approval of the County Medical Officer for faeces, virulence and tubercle urine tests.



## APPENDIX V.

Table giving the number of cases of infectious diseases notified in each sanitary district during the quarter ended 31st December, 1934.

|                         | Smallpox. | Scarlet Fever. | Diphtheria. | Enteric Fever. | Puerperal Fever. | Puerperal Pyrexia. | Ophthalmia Neonatorum. | Erysipelas. | Pneumonia. | Malaria. | Dysentery. | Acute Polio-Encephalitis. | Cerebro Spinal Fever. | Encephalitis Lethargica. | Acute Polio-Myelitis. | *Chickenpox. |
|-------------------------|-----------|----------------|-------------|----------------|------------------|--------------------|------------------------|-------------|------------|----------|------------|---------------------------|-----------------------|--------------------------|-----------------------|--------------|
| <b>URBAN DISTRICTS.</b> |           |                |             |                |                  |                    |                        |             |            |          |            |                           |                       |                          |                       |              |
| Durham Borough .....    | —         | 23             | 5           | —              | 1                | 1                  | 1                      | 4           | 1          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Hartlepool Borough ...  | —         | 35             | 7           | —              | —                | 1                  | —                      | 3           | 1          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Jarrow Borough .....    | —         | 48             | 4           | —              | —                | 1                  | —                      | 9           | 50         | —        | —          | —                         | —                     | —                        | 1                     | —            |
| Stockton Borough .....  | —         | 166            | 11          | 1              | 2                | —                  | 3                      | 19          | 47         | —        | —          | —                         | —                     | —                        | —                     | —            |
| Annfield Plain .....    | —         | 26             | 52          | —              | —                | —                  | —                      | 4           | 3          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Barnard Castle .....    | —         | 2              | 1           | —              | —                | —                  | —                      | —           | —          | —        | —          | —                         | —                     | —                        | —                     | 4            |
| Benfieldside .....      | —         | 12             | 8           | —              | —                | 4                  | —                      | 1           | 4          | —        | —          | —                         | 1                     | —                        | —                     | —            |
| Billingham .....        | —         | 62             | 33          | —              | —                | —                  | 1                      | 4           | 16         | —        | —          | —                         | —                     | —                        | —                     | —            |
| Bishop Auckland .....   | —         | 6              | —           | —              | —                | —                  | —                      | 2           | —          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Blaydon .....           | —         | 50             | 11          | —              | —                | —                  | —                      | 9           | 7          | —        | 2          | —                         | 1                     | —                        | —                     | —            |
| Brandon and Byshottles  | —         | 102            | 54          | —              | 2                | —                  | —                      | 3           | —          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Chester-le-Street ..... | —         | 29             | 7           | —              | —                | —                  | —                      | 3           | 5          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Consett .....           | —         | 26             | 14          | —              | —                | —                  | —                      | —           | 1          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Crook .....             | —         | 11             | 10          | —              | —                | —                  | 1                      | 4           | —          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Felling .....           | —         | 11             | 1           | —              | —                | —                  | —                      | 11          | 6          | —        | 1          | —                         | —                     | —                        | —                     | —            |
| Hebburn .....           | —         | 24             | 3           | —              | —                | —                  | 3                      | 9           | 19         | —        | —          | —                         | —                     | —                        | —                     | —            |
| Hetton-le-Hole .....    | —         | 61             | 50          | —              | —                | —                  | 1                      | 4           | 11         | —        | —          | —                         | —                     | —                        | —                     | —            |
| Houghton-le-Spring .... | —         | 29             | 82          | —              | 1                | —                  | —                      | 3           | 15         | —        | —          | —                         | —                     | —                        | —                     | —            |
| Leadgate .....          | —         | 14             | 15          | —              | —                | —                  | —                      | 1           | 1          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Ryton .....             | —         | 24             | 2           | —              | —                | —                  | —                      | 1           | 2          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Seaham Harbour .....    | —         | 87             | 2           | —              | —                | —                  | —                      | 4           | 9          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Shildon .....           | —         | 39             | 9           | —              | —                | 1                  | —                      | —           | —          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Spennymoor .....        | —         | 43             | 1           | —              | —                | —                  | 1                      | 6           | —          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Stanhope .....          | —         | 4              | —           | —              | —                | 1                  | —                      | —           | 1          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Stanley .....           | —         | 34             | 37          | —              | —                | —                  | 1                      | 3           | 6          | —        | —          | —                         | 1                     | —                        | —                     | —            |
| Tanfield .....          | —         | 27             | 23          | —              | —                | —                  | —                      | 2           | 7          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Tow Law .....           | —         | 2              | —           | —              | —                | —                  | —                      | 2           | 2          | 1        | —          | —                         | —                     | —                        | —                     | —            |
| Washington .....        | —         | 39             | 39          | —              | —                | —                  | —                      | 4           | —          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Whickham .....          | —         | 29             | 3           | —              | —                | 2                  | 1                      | 5           | 11         | —        | 1          | —                         | —                     | —                        | —                     | 75           |
| Willington .....        | —         | 59             | 5           | —              | —                | —                  | —                      | —           | —          | —        | —          | —                         | —                     | —                        | —                     | 7            |
| <b>RURAL DISTRICTS.</b> |           |                |             |                |                  |                    |                        |             |            |          |            |                           |                       |                          |                       |              |
| Auckland .....          | —         | 77             | 31          | —              | 2                | 2                  | 5                      | 11          | 4          | —        | —          | —                         | 1                     | —                        | —                     | —            |
| Barnard Castle .....    | —         | 14             | 1           | —              | 1                | —                  | —                      | 1           | 2          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Chester-le-Street ..... | —         | 138            | 58          | —              | —                | —                  | —                      | 9           | 18         | —        | —          | —                         | 1                     | —                        | 1                     | —            |
| Darlington .....        | —         | 32             | —           | —              | —                | —                  | —                      | 4           | 1          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Durham .....            | —         | 59             | 9           | —              | —                | 2                  | 1                      | 1           | 4          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Easington .....         | —         | 465            | 43          | 2              | —                | 5                  | 2                      | 18          | 29         | —        | —          | —                         | 3                     | —                        | —                     | —            |
| Hartlepool .....        | —         | 2              | —           | —              | —                | —                  | —                      | —           | 2          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Houghton .....          | —         | 103            | 22          | —              | —                | —                  | 2                      | 7           | 16         | —        | —          | —                         | —                     | —                        | —                     | —            |
| Lanchester .....        | —         | 62             | 32          | 1              | 1                | —                  | 1                      | 8           | 6          | —        | —          | —                         | 1                     | —                        | —                     | —            |
| Sedgefield .....        | —         | 267            | 97          | —              | —                | 1                  | 1                      | 10          | 10         | —        | —          | —                         | 2                     | —                        | —                     | —            |
| South Shields .....     | —         | 14             | —           | —              | —                | 1                  | —                      | 5           | 12         | —        | —          | —                         | —                     | —                        | —                     | —            |
| Stockton .....          | —         | 39             | 3           | —              | —                | —                  | —                      | —           | 3          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Sunderland .....        | —         | 55             | 22          | —              | —                | 2                  | 3                      | 8           | 23         | —        | —          | —                         | —                     | —                        | 1                     | —            |
| Weardale .....          | —         | 21             | 3           | —              | —                | —                  | —                      | 1           | —          | —        | —          | —                         | —                     | —                        | —                     | —            |
| Administrative County . | —         | 2472           | 810         | 4              | 10               | 24                 | 28                     | 203         | 355        | 1        | 4          | —                         | 11                    | —                        | 3                     | 86           |

\* Not notifiable throughout the whole administrative county.

## APPENDIX VI.

TABLE OF ATTENDANCES OF MOTHERS AND INFANTS AT CHILD WELFARE CENTRES.

| CENTRES.                    | No. on Books.      |               |                    | Attendances.       |                    |               |                      |                    |                    |                    |               |                    | Consultations.       |                    |               |                    |                    |    |    |    |  |
|-----------------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------------|--------------------|--------------------|--------------------|---------------|--------------------|----------------------|--------------------|---------------|--------------------|--------------------|----|----|----|--|
|                             |                    |               |                    | Number.            |                    |               | Average per Session. |                    |                    | Number.            |               |                    | Average per Session. |                    |               |                    |                    |    |    |    |  |
|                             | Expectant Mothers. | Children.     |                    | Expectant Mothers. | Children.          |               | Expectant Mothers.   | Children.          |                    | Expectant Mothers. | Children.     |                    | Expectant Mothers.   | Children.          |               |                    |                    |    |    |    |  |
|                             |                    | Under 1 year. | Between 1—3 years. |                    | Between 3—5 years. | Under 1 year. |                      | Between 1—3 years. | Between 3—5 years. |                    | Under 1 year. | Between 1—3 years. |                      | Between 3—5 years. | Under 1 year. | Between 1—3 years. | Between 3—5 years. |    |    |    |  |
| Annfield Plain .....        | 108                | 171           | 249                | 148                | 99                 | 412           | 345                  | 57                 | 8                  | 14                 | 12            | 2                  | 99                   | 386                | 322           | 56                 | 8                  | 14 | 12 | 2  |  |
| Barnard Castle .....        | 6                  | 35            | 91                 | —                  | —                  | 119           | 191                  | —                  | —                  | 17                 | 27            | —                  | —                    | 82                 | 111           | —                  | —                  | 12 | 16 | —  |  |
| Billingham .....            | 99                 | 146           | 219                | 240                | 84                 | 425           | 435                  | 291                | 14                 | 24                 | 24            | 16                 | 84                   | 215                | 196           | 120                | 14                 | 12 | 11 | 7  |  |
| Birtley .....               | 87                 | 149           | 252                | 172                | 80                 | 366           | 307                  | 117                | 7                  | 15                 | 13            | 5                  | 80                   | 357                | 305           | 117                | 7                  | 15 | 13 | 5  |  |
| Bishop Auckland .....       | 154                | 156           | 215                | 194                | 111                | 498           | 415                  | 170                | 9                  | 14                 | 11            | 5                  | 111                  | 483                | 396           | 167                | 9                  | 13 | 11 | 5  |  |
| Blaydon .....               | 95                 | 102           | 184                | 100                | 98                 | 221           | 245                  | 108                | 16                 | 13                 | 15            | 6                  | 98                   | 221                | 245           | 108                | 16                 | 13 | 15 | 6  |  |
| Boldon .....                | 58                 | 107           | 142                | 40                 | 46                 | 419           | 214                  | 27                 | 9                  | 23                 | 12            | 2                  | 46                   | 395                | 203           | 26                 | 9                  | 22 | 11 | 2  |  |
| Brandon .....               | 39                 | 100           | 168                | 87                 | 19                 | 258           | 224                  | 107                | 4                  | 21                 | 19            | 9                  | 19                   | 258                | 224           | 107                | 4                  | 21 | 19 | 9  |  |
| Burnhope .....              | 12                 | 41            | 48                 | 16                 | 7                  | 141           | 84                   | 11                 | 1                  | 23                 | 14            | 2                  | 7                    | 141                | 83            | 11                 | 1                  | 23 | 14 | 2  |  |
| Burnopfield .....           | 12                 | 39            | 79                 | 67                 | 9                  | 100           | 78                   | 54                 | 2                  | 8                  | 7             | 4                  | 9                    | 100                | 78            | 54                 | 2                  | 8  | 7  | 4  |  |
| Butterknowle .....          | 8                  | 20            | 43                 | 21                 | 3                  | 48            | 60                   | 14                 | 1                  | 8                  | 10            | 2                  | 3                    | 48                 | 60            | 14                 | 1                  | 8  | 10 | 2  |  |
| Castletown .....            | 11                 | 27            | 61                 | 41                 | 5                  | 76            | 140                  | 62                 | 1                  | 13                 | 23            | 10                 | 4                    | 63                 | 106           | 48                 | 1                  | 12 | 21 | 10 |  |
| Chester-le-Street .....     | 97                 | 137           | 235                | 98                 | 112                | 422           | 319                  | 100                | 19                 | 18                 | 13            | 4                  | 112                  | 380                | 290           | 96                 | 19                 | 18 | 13 | 4  |  |
| Chilton .....               | 17                 | 29            | 74                 | 39                 | 13                 | 93            | 122                  | 44                 | 2                  | 8                  | 10            | 3                  | 13                   | 90                 | 122           | 44                 | 2                  | 8  | 10 | 3  |  |
| Chopwell .....              | 77                 | 96            | 111                | 82                 | 77                 | 217           | 140                  | 107                | 13                 | 9                  | 6             | 5                  | 77                   | 204                | 133           | 101                | 13                 | 9  | 6  | 5  |  |
| Cockfield .....             | 14                 | 26            | 49                 | 29                 | 5                  | 69            | 78                   | 20                 | —                  | 6                  | 7             | 1                  | 5                    | 69                 | 78            | 20                 | —                  | 6  | 7  | 1  |  |
| Consett .....               | 89                 | 200           | 233                | 191                | 83                 | 473           | 192                  | 101                | 14                 | 16                 | 7             | 3                  | 83                   | 440                | 182           | 98                 | 14                 | 16 | 7  | 3  |  |
| Coundon .....               | 46                 | 85            | 167                | 109                | 39                 | 191           | 286                  | 140                | 7                  | 10                 | 16            | 8                  | 39                   | 191                | 285           | 140                | 7                  | 10 | 16 | 8  |  |
| Coxhoe .....                | 28                 | 70            | 123                | 47                 | 13                 | 194           | 87                   | 37                 | 2                  | 17                 | 7             | 3                  | 13                   | 188                | 86            | 36                 | 2                  | 16 | 7  | 3  |  |
| Craghead .....              | 42                 | 74            | 97                 | 48                 | 34                 | 217           | 132                  | 56                 | 6                  | 22                 | 13            | 5                  | 34                   | 205                | 128           | 55                 | 6                  | 21 | 13 | 5  |  |
| Crook .....                 | 110                | 102           | 207                | 117                | 86                 | 245           | 334                  | 113                | 14                 | 15                 | 19            | 7                  | 86                   | 245                | 332           | 113                | 14                 | 15 | 19 | 7  |  |
| Dunston .....               | 70                 | 100           | 126                | 78                 | 80                 | 306           | 188                  | 106                | 13                 | 17                 | 10            | 6                  | 80                   | 288                | 178           | 105                | 13                 | 17 | 10 | 6  |  |
| Durham .....                | 127                | 163           | 235                | 112                | 108                | 430           | 235                  | 92                 | 9                  | 14                 | 8             | 3                  | 108                  | 423                | 234           | 92                 | 9                  | 14 | 8  | 3  |  |
| Easington .....             | 44                 | 119           | 186                | 115                | 48                 | 309           | 144                  | 75                 | 8                  | 17                 | 8             | 4                  | 48                   | 294                | 141           | 74                 | 8                  | 16 | 8  | 4  |  |
| Eighton Banks .....         | —                  | 38            | 43                 | 23                 | —                  | 93            | 68                   | 25                 | —                  | 16                 | 11            | 4                  | —                    | 89                 | 68            | 25                 | —                  | 15 | 11 | 4  |  |
| Esh Winning .....           | 37                 | 72            | 110                | 72                 | 34                 | 148           | 154                  | 73                 | 6                  | 12                 | 13            | 6                  | 34                   | 148                | 154           | 73                 | 6                  | 12 | 13 | 6  |  |
| Felling .....               | 165                | 235           | 336                | 232                | 152                | 488           | 473                  | 209                | 14                 | 41                 | 20            | 8                  | 152                  | 486                | 473           | 209                | 14                 | 41 | 20 | 8  |  |
| Ferryhill .....             | 109                | 115           | 177                | 95                 | 79                 | 253           | 272                  | 82                 | 13                 | 16                 | 17            | 5                  | 79                   | 250                | 272           | 82                 | 13                 | 16 | 17 | 5  |  |
| Gainford .....              | 13                 | 10            | 21                 | 19                 | 3                  | 22            | 24                   | 14                 | 1                  | 4                  | 4             | 2                  | 3                    | 22                 | 24            | 14                 | 1                  | 4  | 4  | 2  |  |
| Grange Villa .....          | 79                 | 122           | 227                | 78                 | 90                 | 360           | 336                  | 55                 | 15                 | 20                 | 19            | 3                  | 90                   | 357                | 334           | 55                 | 15                 | 20 | 19 | 3  |  |
| Haverton Hill .....         | 43                 | 107           | 147                | 158                | 18                 | 431           | 388                  | 240                | 3                  | 24                 | 22            | 13                 | 18                   | 226                | 184           | 133                | 3                  | 12 | 10 | 8  |  |
| Hetton .....                | 60                 | 160           | 246                | 131                | 50                 | 428           | 261                  | 131                | 8                  | 24                 | 15            | 7                  | 49                   | 409                | 249           | 127                | 8                  | 23 | 14 | 7  |  |
| Horden .....                | 158                | 211           | 276                | 280                | 104                | 425           | 172                  | 140                | 9                  | 18                 | 7             | 6                  | 104                  | 370                | 163           | 129                | 9                  | 16 | 7  | 5  |  |
| Houghton-le-Spring .....    | 170                | 207           | 379                | 259                | 139                | 538           | 394                  | 211                | 12                 | 15                 | 11            | 6                  | 139                  | 535                | 378           | 205                | 12                 | 15 | 10 | 6  |  |
| Lanchester .....            | 8                  | 12            | 41                 | 27                 | 19                 | 41            | 65                   | 14                 | 2                  | 8                  | 13            | 3                  | 10                   | 41                 | 65            | 14                 | 2                  | 8  | 13 | 3  |  |
| Langley Park .....          | 16                 | 47            | 83                 | 37                 | 15                 | 125           | 120                  | 29                 | 3                  | 11                 | 11            | 3                  | 15                   | 114                | 116           | 28                 | 3                  | 10 | 10 | 3  |  |
| Marley Hill .....           | 4                  | 21            | 29                 | 31                 | 2                  | 61            | 20                   | 15                 | —                  | 10                 | 3             | 3                  | 2                    | 61                 | 20            | 15                 | —                  | 10 | 3  | 3  |  |
| Middleton-in-Teesdale ..... | 12                 | 14            | 33                 | 16                 | 5                  | 27            | 46                   | 8                  | 1                  | 5                  | 8             | 1                  | 5                    | 27                 | 45            | 8                  | 1                  | 5  | 8  | 1  |  |
| Middleton-St.-George .....  | 2                  | 18            | 38                 | 42                 | —                  | 60            | 77                   | 79                 | —                  | 7                  | 9             | 10                 | —                    | 40                 | 53            | 50                 | —                  | 7  | 9  | 8  |  |
| Murton .....                | 103                | 128           | 194                | 132                | 64                 | 287           | 175                  | 56                 | 11                 | 16                 | 10            | 3                  | 64                   | 237                | 150           | 50                 | 11                 | 13 | 8  | 3  |  |
| New Herrington .....        | 57                 | 109           | 151                | 74                 | 44                 | 301           | 212                  | 44                 | 7                  | 25                 | 18            | 3                  | 44                   | 301                | 212           | 44                 | 7                  | 25 | 18 | 3  |  |
| Rowlands Gill .....         | 77                 | 98            | 153                | 108                | 42                 | 197           | 215                  | 96                 | 7                  | 12                 | 14            | 6                  | 42                   | 197                | 215           | 96                 | 7                  | 12 | 14 | 6  |  |
| Ryhope .....                | 37                 | 73            | 138                | 86                 | 14                 | 217           | 161                  | 101                | 3                  | 18                 | 13            | 9                  | 14                   | 192                | 141           | 89                 | 3                  | 16 | 12 | 7  |  |
| Ryton .....                 | 61                 | 115           | 166                | 55                 | 62                 | 350           | 182                  | 55                 | 10                 | 21                 | 11            | 3                  | 62                   | 349                | 182           | 55                 | 10                 | 21 | 11 | 3  |  |
| Saeriston .....             | 46                 | 102           | 137                | 92                 | 42                 | 272           | 206                  | 109                | 7                  | 17                 | 13            | 7                  | 42                   | 240                | 164           | 105                | 7                  | 16 | 11 | 7  |  |
| Seaham Harbour .....        | 159                | 232           | 422                | 261                | 133                | 574           | 547                  | 196                | 11                 | 16                 | 15            | 6                  | 130                  | 561                | 543           | 196                | 11                 | 15 | 15 | 6  |  |
| Sedgefield .....            | 18                 | 29            | 48                 | 31                 | 13                 | 52            | 53                   | 13                 | 2                  | 9                  | 9             | 2                  | 13                   | 52                 | 52            | 13                 | 2                  | 9  | 9  | 2  |  |
| Sherburn .....              | 34                 | 46            | 62                 | 39                 | 14                 | 130           | 77                   | 22                 | 2                  | 22                 | 13            | 3                  | 14                   | 130                | 77            | 22                 | 2                  | 22 | 13 | 3  |  |
| Sherburn Hill .....         | 15                 | 32            | 41                 | 31                 | 5                  | 80            | 29                   | 24                 | 1                  | 13                 | 5             | 4                  | 5                    | 80                 | 29            | 24                 | 1                  | 13 | 5  | 4  |  |
| Shildon .....               | 74                 | 134           | 249                | 155                | 66                 | 441           | 390                  | 130                | 11                 | 15                 | 13            | 4                  | 66                   | 421                | 377           | 121                | 11                 | 14 | 13 | 4  |  |
| Shotley Bridge .....        | 18                 | 75            | 132                | 57                 | 13                 | 191           | 147                  | 52                 | 2                  | 11                 | 8             | 3                  | 13                   | 191                | 147           | 52                 | 2                  | 11 | 8  | 3  |  |
| Shotton .....               | 59                 | 114           | 178                | 121                | 41                 | 298           | 106                  | 58                 | 7                  | 17                 | 6             | 3                  | 41                   | 292                | 105           | 58                 | 7                  | 17 | 6  | 3  |  |
| Silksworth .....            | 44                 | 81            | 146                | 116                | 40                 | 276           | 221                  | 137                | 7                  | 17                 | 14            | 9                  | 40                   | 241                | 200           | 118                | 7                  | 15 | 13 | 7  |  |
| South Hylton .....          | 15                 | 28            | 51                 | 34                 | 8                  | 98            | 84                   | 45                 | 1                  | 16                 | 14            | 8                  | 7                    | 72                 | 68            | 40                 | 1                  | 14 | 14 | 8  |  |
| South Moor .....            | —                  | 77            | 111                | 70                 | —                  | 201           | 183                  | 66                 | —                  | 12                 | 11            | 4                  | —                    | 201                | 183           | 66                 | —                  | 12 | 11 | 4  |  |
| Spennymoor .....            | 135                | 207           | 332                | 160                | 103                | 388           | 352                  | 142                | 9                  | 11                 | 10            | 4                  | 103                  | 385                | 348           | 142                | 9                  | 11 | 10 | 4  |  |
| Stanhope .....              | 6                  | 16            | 27                 | 19                 | 1                  | 26            | 34                   | 24                 | —                  | 9                  | 11            | 8                  | 1                    | 26                 | 34            | 24                 | —                  | 9  | 11 | 8  |  |
| St. John's Chapel .....     | 4                  | 13            | 27                 | 17                 | 2                  | 18            | 27                   | 11                 | —                  | 3                  | 4             | 2                  | 2                    | 18                 | 25            | 11                 | —                  | 3  | 4  | 2  |  |
| Swalwell .....              | 23                 | 46            | 64                 | 30                 | 35                 | 124           | 98                   | 29                 | 6                  | 10                 | 8             | 3                  | 35                   | 124                | 97            | 29                 | 6                  | 10 | 8  | 3  |  |
| Tanfield Lea .....          | 58                 | 46            | 83                 | 71                 | 41                 | 99            | 77                   | 31                 | 7                  | 8                  | 6             | 3                  | 41                   | 99                 | 77            | 31                 | 7                  | 8  | 6  | 3  |  |
| Thornley .....              | 17                 | 72            | 68                 | 29                 | 5                  | 120           | 48                   | 11                 | 1                  | 10                 | 4             | 1                  | 5                    | 118                | 46            | 11                 | 1                  | 10 | 4  | 1  |  |
| Tow Law .....               | 20                 | 33            | 74                 | 53                 | 11                 | 69            | 112                  | 77                 | 2                  | 6                  | 9             | 7                  | 11                   | 69                 | 112           | 77                 | 2                  | 6  | 9  | 7  |  |
| Trimdon .....               | 59                 | 97            | 92                 | 44                 | 60                 | 163           | 78                   | 18                 |                    |                    |               |                    |                      |                    |               |                    |                    |    |    |    |  |





